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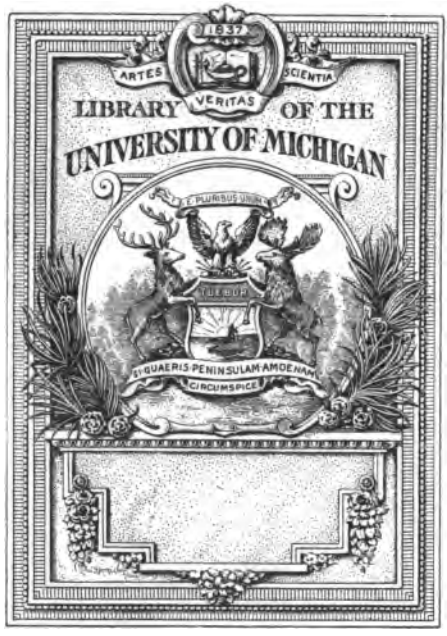

THE GIFT OF
Williams College

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CATALOGUE

OF

WILLIAMS COLLEGE

1909–1910

WILLIAMSTOWN, MASS.
PUBLISHED BY THE COLLEGE
1909

CATALOGUE

OF

WILLIAMS COLLEGE

1909–1910

WILLIAMSTOWN, MASS.
PUBLISHED BY THE COLLEGE
1909

1909

JULY	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
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1910

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MAR.	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
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APR.	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
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2 Allen, Mr. S. E.
18 Atchison, Dr. C. S.
12 Burr, Mr. C. H.
76 Carter, Dr. F.
18 Clark, Prof. D. T.
77 Clarke, Prof. S. F.
82 Cleland, Prof. H. F.
36 Collier, Prof. T. F.
69 Doughty, Mr. W. H
38 Droppers, Prof. G.
9 Ferry, Dean F. C.
19 Garfield, President
23 Goodrich, Prof. F.
83 Green, Mr. E A.
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75 Hart, Mr. W. C.
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15 Hewitt, Mr. T. B.
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25 Howes, Prof. G. E.
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35 King, Prof. J. P.
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66 Maxcy, Prof. C. L.
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68 Mears, Prof. L.
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26 Seeley, Mr. C. F.
21A Smith, Prof. T. C.
58 Spring, Prof. L. W.
7 Wahl, Prof. G. M.
10 Weston, Prof. K. E.
37 Wetmore, Prof. M. N.
33 Wild, Prof. H. D.

46 Baseball Cage
43 Berkshire Hall
28 College Hall
42 Currier Hall
51 East College
63 Edward Clark Hall
18 Faculty Club
49 Fayerweather Hall
70 Field Memorial Observatory
52 Goodrich Hall
31 Griffin Hall
53 Gymnasium, Lasell
17 Haystack Monument
45 Heating Plant
29 Hopkins Hall
44 Hopkins Observatory
16 Infirmary
55 Jesup Hall
50 Library, Lawrence Hall
54 Morgan Hall
30 Thompson Chapel
61 Thompson Biological Laboratory
60 Thompson Chemical Laboratory
56 Thompson Physical Laboratory
64 West College
24 Williams Alumni House

73 A Δ Φ House
62 A Z A House
71 Δ K E House
39 Δ Υ House
74 Z Ψ House
13 Θ Δ X House
4 K A Lodge
72 Φ Δ Θ House
5 Φ Σ K House
71A X Ψ Lodge
21 Σ Φ Place
79 St. Anthony Hall

20 Congregation'l Church
11 Episcopal Church
41 Methodist Church
34 Roman Catholic Church

6 Greylock Hotel
47 The Cosmo

32 Street Railway Terminus
48 Post Office

CALENDAR

1909

June 23—**Commencement**.....Wednesday
June 30—Last day for re-application for scholarships....Wednesday

SUMMER VACATION OF TWELVE WEEKS

Sept. 10–15—Examinations for admission, Fri., Sat., Mon., Tues., Wed.
Sept. 14–16—Registration of all classes,..Tues., Wed., Thurs. morning
Sept. 16—**Beginning of the College Year**.....Thursday
Oct. 6—Mountain Day, a holiday.....Wednesday
Oct. 7—Meeting of the Board of Trustees.....Thursday
Oct. 5—Last day for registering for the Master's Degree..Tuesday
Nov. 1—Last day for registering for Clark Scholarships....Monday
Nov. 25–26—Thanksgiving Recess.....Thursday, Friday
Dec. 22—**Christmas Recess begins**.....Wednesday 4.30

1910

Jan. 5—**Christmas Recess ends**.....Wednesday
Jan. 8—Clark Scholarship examination, Minor Subject ...Saturday
Jan. 26—Recitations end.....Wednesday
Jan. 27—Semi-annual examinations begin.....Thursday
Feb. 5—First semester ends.....Saturday

Feb. 6—Second semester begins.....Sunday
Feb. 22—Washington's Birthday, a holiday.....Tuesday
Mar. 23—**Easter Recess begins**.....Wednesday, 4.30
Mar. 30—**Easter Recess ends**.....Wednesday
May 5—Meeting of the Board of Trustees.....Thursday
May 30—Memorial Day, a holiday.....Monday
June 4—Clark Scholarship examination, Major Subject ....Saturday
June 4—Recitations end.....Saturday
June 6–15—Semi-annual examinations .....Mon. through Wed.
June 13—18—Examinations for admission, Monday through Saturday
June 18—Graves Prize Speaking.....Saturday evening
June 19—Baccalaureate Sermon.....Sunday forenoon
June 19—Mission Park Meeting.....Sunday afternoon
June 20—Meeting of the Board of Trustees.....Monday

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June 20—Prize Rhetorical Exhibition.....Monday evening
June 21—Alumni Meeting.....Tuesday forenoon
June 21—Class Day Exercises.....Tuesday afternoon
June 22—Commencement.....Wednesday
June 30—Last day for re-application for scholarships.....Thursday

SUMMER VACATION OF TWELVE WEEKS

Sept. 9–14—Examinations for admission, Fri., Sat., Mon., Tues., Wed.
Sept. 13–15—Registration of all classes..Tues., Wed., Thurs. morning
Sept. 15—Beginning of the College Year.....Thursday
Oct. —Mountain Day, a holiday
Oct. 6—Meeting of the Board of Trustees.....Thursday
Oct. 5—Last day for registering for the Master's Degree.Wednesday

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Rev. EBENEZER FITCH, D.D., 1793-1815
Rev. ZEPHANIAH SWIFT MOORE, D.D., 1815-1821
Rev. EDWARD DORR GRIFFIN, D.D., 1821-1836
Rev. MARK HOPKINS, D.D., LL.D., 1836-1872
Hon. PAUL ANSEL CHADBOURNE, D.D., LL.D., 1872-1881
FRANKLIN CARTER, Ph.D., LL.D., 1881-1901
JOHN HASKELL HEWITT, LL.D., Acting President 1901-1902
Rev. HENRY HOPKINS, D.D., LL.D., 1902-1908
HARRY AUGUSTUS GARFIELD, LL.D., 1908-

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WILLARD EVANS HOYT, M.A.

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HENRY LEFAVOUR
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JAMES R. DUNBAR
HOWARD J. ROGERS

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SECRETARY AND NECROLOGIST—WILLIAM COOK HART, B.A., Williamstown, Class of 1894

TREASURER—J. MAUS SCHERMERHORN, M.A., New York City, Class of 1869

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1907-1910

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1908-1911

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1909-1912

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*Arranged in the order of appointment to rank

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Professor of Biology

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J. Leland Miller Professor of American History, Literature and Eloquence

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Garfield Professor of Ancient Languages

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Professor of Physiology

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Jackson Professor of Christian Theology, and Pastor of the College Church

---

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Barclay Jermain Professor of Natural Theology

Lawrence Professor of the Greek Language and Literature

Morris Professor of Rhetoric

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†Absent on leave during the second semester

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Assistant Professor of Latin

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†Absent on leave

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Library Assistant, Reference Department

HELEN MAY NETHERWOOD
Stenographer

EMMA LOUISE NETHERWOOD
Stenographer

FACULTY COMMITTEES

The President of the College is *ex-officio* a member of all committees.

COMMITTEE ON ADMINISTRATION

THE PRESIDENT, *Chairman*
THE CHAIRMAN PRO TEMPORE OF THE FACULTY
THE DEAN OF THE COLLEGE
PROFESSOR CLARKE
PROFESSOR MEARS
PROFESSOR GOODRICH
PROFESSOR RUSSELL

ADVISORY COMMITTEE

THE PRESIDENT, *Chairman*
PROFESSOR RICE
PROFESSOR MORTON
DEAN FERRY
PROFESSOR SMITH
PROFESSOR CLELAND

LIBRARY COUNCIL

THE PRESIDENT, *Chairman*
THE LIBRARIAN
PROFESSOR CLARKE
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ASSISTANT PROFESSOR REES

COMMITTEE ON ADMISSIONS

DEAN FERRY, *Chairman*
PROFESSOR GOODRICH
PROFESSOR WAHL
PROFESSOR HOWES
PROFESSOR WILD
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PROFESSOR MAXCY

COMMITTEE ON SCHOLARSHIPS

PROFESSOR KELLOGG, *Chairman*
PROFESSOR HOWES
ASSOCIATE PROFESSOR HARDY

COMMITTEE ON PRIZES (Including Clark Prize Scholarships)

PROFESSOR MILHAM, *Chairman*
PROFESSOR DROPPERS
ASSISTANT PROFESSOR WESTON

COMMITTEE ON GRADUATE STUDENTS

PROFESSOR MAXCY, *Chairman*
PROFESSOR SMITH
ASSISTANT PROFESSOR WETMORE
ASSISTANT PROFESSOR PRATT

COMMITTEE ON EXTRA WORK

PROFESSOR MCELFRESH, *Chairman*
ASSISTANT PROFESSOR PRATT
ASSISTANT PROFESSOR COLLIER

COMMITTEE ON ATHLETICS

(*Faculty members of the Athletic Council*)
PROFESSOR WILD, *Chairman*
PROFESSOR MAXCY
ASSISTANT PROFESSOR PERRY

COMMITTEE ON THE HONOR SYSTEM

PROFESSOR RICE, *Chairman*
PROFESSOR CLELAND
ASSISTANT PROFESSOR CLARK

WILLIAMS COLLEGE

The college owes its origin to an educational bequest of Colonel Ephraim Williams for the purpose of establishing "a Free School" in Williamstown. The charter of this school, which was granted March 8, 1785, reads as follows:

AN ACT for directing the use and appropriation of a charitable donation, made in a certain clause in the last will and testament of Ephraim Williams, Esq., for the support and maintenance of a Free School in Williamstown, in the County of Berkshire; and for incorporating certain persons as trustees, in order more effectually to execute the intention of the testator, expressed in the same.

WHEREAS, Israel Williams, Esq., and John Worthington, Esq., executors of the last will and testament of Ephraim Williams, Esq., deceased, have represented to this court that the said Ephraim Williams, on the twenty-second day of July, Anno Domini one thousand seven hundred and fifty-five, made his last will and testament, in which, after divers bequests, devises, and dispositions, is contained the following clause, viz:

Item: "It is my will, desire, and pleasure that the remaining part of the lands, not yet disposed of, shall be sold at the discretion of my executors, within five years after an established peace; and the interest of the money and also the interest arising from my bonds and notes shall be appropriated towards the support and maintenance of a Free School, in a township west of Fort Massachusetts, commonly called the West Township, forever; provided, the said township shall fall within the jurisdiction of the Province of Massachusetts Bay; and provided, also, the Governor and General Court give the same township the name of Williamstown; and it is further my will and desire, that if there should remain any monies of the said above donation for the school, it be given towards the support of a school in the East Township, where the fort now stands; but in case the above provisos are not complied with, then it is my last will and choice that the interest of the above-mentioned monies be appropriated to some pious and charitable uses, in manner and form as above directed in the former part of my last will and testament."

And, whereas the said executors have further represented that it may be a matter of doubt and uncertainty whether the township mentioned in the above recited clause (which is now incorporated by the name of Williamstown) has so far fallen within the jurisdiction of the Province of Massachusetts, now Commonwealth of Massachusetts, in the sense of the testator, as that they might be justified in appropriating the said donation to the support and maintenance of a Free School in said town; and have submitted their duty to the determination of this court, praying that an act may be passed to declare their duty, and to indemnify them in the execution of the same.

SECTION 1. Be it enacted by the Senate and the House of Representatives, in General Court assembled, and by authority of the same, that the donation made in the clause before recited ought to be presently applied to the use and maintenance of a Free School in the town of Williamstown, in the County of Berkshire, and that in case the said donation shall afford an annual interest more than sufficient for the supporting and maintaining such school in Williamstown, then the surplusage be appropriated to the use and maintenance of a Free School in the tract of land called by the testator East Township, now incorporated by the name of Adams, with other lands, applying and appropriating the said donation to the uses above expressed, and shall be liable to no action or suit in law or equity, on account of such appropriations.

And, whereas the said executors have further prayed that for carrying into complete execution the intention of the testator, a corporation may be created and vested with such powers as may be necessary for that purpose.

SECTION 2. Be it therefore enacted by the authority aforesaid, that William Williams of Dalton, Theodore Sedgwick, Woodbridge Little, John Bacon, Thompson Joseph Skinner, Esquires, the Reverends Seth Swift and Daniel Collins, Mr. Israel Jones and Mr. David Noble, and their successors, to be elected and appointed as hereinafter directed and provided, be, and hereby are, incorporated, and shall be a corporation forever by the name of "The Trustees of the donation of Ephraim Williams, Esq., for maintaining a Free School in Williamstown;" and that the said trustees and their successors be, and hereby are, vested with all the powers, rights, and immunities, which are by law incident to aggregate eleemosynary corporations.

SECTION 3. And be it further enacted, that the said corporation shall always consist of a number not less than seven, nor more than

nine persons, excepting only that whenever a vacancy shall happen by death, removal, refusal, or resignation of any member or members, so that the number be reduced to less than seven, the aforesaid number, then the remaining or surviving trustees shall have full power to perform all corporate acts until such vacancy be supplied; and the said trustees shall elect and appoint a clerk of the corporation, who shall fairly enter and record all votes, acts, orders, and proceedings made, done or passed by the trustees; and shall elect a proper person to be their treasurer, who shall receive into his hands all monies belonging to the corporation and pay the same pursuant to the order of the trustees, and shall always keep a fair account of all receipts and payments.

SECTION 4. And be it further enacted, that the power of electing and appointing successors in case of the death, removal, refusal, or resignation of any of the trustees be, and hereby is, vested solely in the Supreme Judicial Court of this Commonwealth; and whenever any of the above-mentioned cases shall happen, the trustees shall, as soon as conveniently may be, certify the same to the Justices of the said court, that a successor may be appointed; and the Justices of the same court are hereby empowered to remove from office and trust any member of the corporation who shall, in their judgment, be unfit to hold the same, by reason of incapacity, misdemeanor, negligence, or breach of trust.

And to the intent that the said donation may not be wasted, mismanaged, or perverted from its original intention;

SECTION 5. Be it further enacted by the authority aforesaid, that the said corporation, and the donation itself, shall always be under the visitation and direction of the Supreme Judicial Court, who are hereby empowered to visit the said corporation to rectify all abuses, to determine all matters of doubt or dispute touching the duty of the trustees, and the use, application, or appropriation of monies or interests to the same donation belonging; and to make all such orders and regulations with respect to the use, management, and appropriation of the same donation and every part thereof, as they shall judge necessary or useful in order to promote the best interest of the school, according to the true meaning and intention of the testator and such laws of this Commonwealth as may be in force respecting the same; and the said court, whenever they shall judge necessary, shall cause the said trustees to come before them, either to render an account of expenditures and dispositions of monies, or to answer for any mismanagement or breach of trust; and the trustees shall appear and lay

their accounts, papers, records, and corporation books before the said court for inspection, whenever they shall be required thereto.

SECTION 6. And be it further enacted, that the said trustees and their successors forever shall have the possession, management, and disposition of the whole interest and estate, real and personal, which is contained in and given, bequeathed, devised, or disposed of by the above recited clause in the will aforesaid; and they are hereby empowered and directed, as soon as conveniently may be, to erect and maintain a Free School within the said town of Williamstown, for the instruction of youth, in such manner as most effectually to answer the pious, generous, and charitable intention of the testator, and agreeable to such orders and instructions as they may, from time to time, receive from the Supreme Judical Court; and they are hereby empowered to appoint and employ instructors, masters, and officers, as shall be necessary for that purpose.

And to the intent that the said trustees may be enabled, in the most easy and expeditious manner, to receive in their own possession and management, the whole estate, property, and interest, contained in the aforesaid donation:

SECTION 7. Be it further enacted by the authority aforesaid, that the said executors shall, at the request of the trustees, make and execute to the said trustees a deed or deeds of conveyance of all such lands or real estate as belong to said donation, and yet remain unsold, in which deed or deeds it shall be expressed that the executors do grant to the trustees the right, estate, and interest of the testator, and of themselves, in and to the described lands or tenements to the trustees and their successors forever; and the said executors shall deliver over into hands of the trustees, at their request, all such personal securities or mortgages as the executors now have in their own hands, and which are a part of the same donation; all of which securities, whether bonds, promissory notes, mortgage deeds, or of what name or description soever, being endorsed with the names of the said executors, or one of them, and delivered as aforesaid, shall become the property of the trustees to all intents and purposes; and they are hereby empowered, in the name of the corporation, to bring any action or actions against the obligors, promisors, mortgagors, or tenants, for recovering the contents of the same securities, or possession of mortgaged estates, which action or actions shall be holden to be good and valid in law for that purpose, as if the securities or mortgage deeds had been originally made to the trustees by their corporate names.

And, whereas the testator has directed, that in case his principal donations should afford an interest more than sufficient for the sup-

port and maintenance of the school in Williamstown, the surplusage should be improved to the use of a school in the East Township, now called Adams, in the said County of Berkshire; and whereas questions and disputes may arise touching the (nature) meaning and extent of this part of the will, and where there may be said to be a surplusage beyond what should be necessary, according to the intent of testator, for the support of the school in Williamstown;

SECTION 8. Be it further enacted, that in case of such surplusage, the said trustees are hereby empowered and directed to use and employ the same for erecting and supporting a Free School in the said town of Adams, in the same manner as has been in this act before provided in respect of the school in Williamstown; and that all questions and disputes that may arise concerning such surplusage, and the duty of the trustees in respect of the several schools, shall be determined by the Supreme Judicial Court; and the trustees shall always conform their conduct and administration herein to such orders and determinations as shall, from time to time, be made by the same court.

SECTION 9. And be it further enacted, that the Supreme Judicial Court may, at their discretion, exercise all the powers vested in them by virtue of this act, at any of the sessions holden within the counties of Berkshire or Hampshire; and in all trials at law, the court, ex-officio, shall take notice of this act to all intents and purposes whatsoever, and the same shall be given in evidence under any general issue.

At their first meeting, April 24, 1785, the trustees passed a resolution to the effect that "it is the sense of the corporation that the Free School in Williamstown be open and free for the use and benefit of the inhabitants of that town and of the free citizens of the American States indiscriminately." They also decided that "it will best coincide with the liberal views of the donor and the intention of the legislature to admit no pupil to the Free School * * * not having been taught to read English well."

As they found it difficult to collect the necessary funds for erecting a building, the trustees sent a petition, August 19, 1788, to the legislature, "for the grant of a lottery to raise the sum of twelve hundred pounds." Accordingly an act was passed February 11, 1789, making such a grant.

The initial step toward a transformation of the Free School into a college was taken at a meeting of the trustees, May 23, 1792. In a petition to the legislature they "humbly showed" what had been done already, and set forth the "several circumstances attending the situation of the Free School * * * peculiarly favorable to a seminary of a more public and important nature." The petition was granted, and an act to establish the college and to transfer to it the property of the Free School was passed June 22, 1793:

An act to establish a college in the County of Berkshire, within this Commonwealth, by the name of Williams College.

Be it enacted by the Senate and House of Representatives, in the General Court assembled, and by the authority of the same, that there be erected and established in the town of Williamstown, in the County of Berkshire, a college, for the purpose of educating youth, to be called and known by the name of Williams College, to be under the government and regulation of a body politic and corporate, as hereafter in this act provided.

And be it further enacted by the authority aforesaid, that John Bacon, Esq., Rev. Daniel Collins, Israel Jones, Woodbridge Little, David Noble, Theodore Sedgwick, Thompson J. Skinner, Esquires, Rev. Seth Swift, Henry Vanscaak, Esq., Rev. Stephen West, D.D., William Williams and Elijah Williams, Esquires, together with the president of the said college for the time being, to be chosen as in this act is hereafter directed, be and hereby are created a body politic and corporate, by the name of "The President and Trustees of Williams College," and that they and their successors, and such others as shall be duly elected members of the said corporation, shall be and remain a body politic and corporate, by that name forever.

And be it further enacted by the authority aforesaid, that for the more orderly conducting the business of the said corporation, The President and Trustees shall have full power and authority from time to time, as they shall determine, to elect a vice president and secretary of the said corporation and to declare the tenures and duties of their respective offices and also to remove any trustee from the said corporation, when, in their judgment, he shall be rendered incapable, by age or otherwise, of discharging the duties of his office or shall neglect or refuse to perform the same, and to fill up all vacancies in the said corporation, by electing such persons for trustees as they

shall judge best. Provided, nevertheless, that the number of the said trustees, including the president of the said college, for the time being, shall never be greater than seventeen nor less than eleven.

And be it further enacted, that the said corporation may have one common seal, which they may change, break or renew, at their pleasure; and that all deeds signed and delivered by the treasurer, and sealed with their seal, by order of the President and Trustees, shall, when made in their corporate name, be considered in law as the deed of the said corporation; and that the said corporation may sue and be sued in all actions, real, personal or mixed, and may prosecute and defend the same to final judgment and execution, by the name of the President and Trustees of Williams College; and that the said corporation shall be capable of having, holding and taking in fee simple of any less estate, by gift, grant, devise or otherwise, any lands, tenements or other estate real or personal. Provided, nevertheless, that the annual clear income of the same shall not exceed the sum of six thousand pounds.

And be it further enacted by the authority aforesaid, that the said corporation shall have full power and authority to determine at what times and places their meetings shall be holden and in the manner of notifying the trustees to convene at such meetings; and also from time to time, elect a president and treasurer of said college, and such professors, tutors, instructors, and other officers of said college as they shall judge most for the interest thereof, and to determine the duties, salaries, emoluments and tenures of their several officers aforesaid; the said president, for the time being, when elected and inducted into his office, to be, ex-officio, president of said corporation. And the said corporation are further empowered to purchase or erect, and to keep in repair, such houses and other buildings as they shall judge necessary for the said college; and also to make and ordain, as occasion may require, reasonable rules, orders and by-laws, not repugnant to the laws of this Commonwealth, with reasonable penalties, for the good government of the said college; and also to determine and prescribe the mode of ascertaining the qualifications of the students, requisite to their admission; and also to confer such degrees as are usually conferred by universities established for the education of youth. Provided, nevertheless, that no corporate business shall be transacted at any meeting, unless seven at least of the trustees are present; and provided further, that the said corporation shall confer no degree other than those of Bachelor of Arts and Master of Arts, until after the first day of January, which shall be in the year of our Lord one thousand eight hundred.

And be it further enacted by the authority aforesaid, that the clear

rents, issues and profits of all the estates, real and personal, of which the said corporation shall be seized or possessed, shall be appropriated to the endowment of said college, in such manner as shall most effectually promote virtue and piety, and the knowledge of such of the languages, and of the liberal arts and sciences as shall hereafter be directed from time to time, by the said corporation.

And be it further enacted by the authority aforesaid, that the Hon. Thompson J. Skinner, Esq., be, and he is hereby authorized and empowered to fix the time and place for holding the first meeting of the said corporation, of which he shall give notice by an advertisement in the Stockbridge newspapers, at least fourteen days previous thereto.

And be it further enacted by the authority aforesaid, that the treasurer of the said college shall, before he enter upon the execution of the duties of his office, give bonds to the said corporation, with such sums, and with such sureties as they shall approve of, conditioned for the faithful discharge of the said office, and for rendering a just and true account of his doings therein, when required. And that all the money, securities and other property of The President and Trustees of Williams College, together with all the books in which his accounts and proceedings as treasurer were entered and kept, that shall be in his hands at the expiration of his office, shall, upon demand made upon him, his executors or administrators, be paid and delivered over to his successor in that office. And all monies recovered by virtue of any suit at law, upon said bond, shall be paid over to the president and trustees aforesaid, and subjected to the appropriation above directed in this act.

And be it further enacted by the authority aforesaid, that the Legislature of this Commonwealth may grant any further powers to, or alter, limit, annul or restrain any of the powers by this act vested in said corporation, as shall be judged necessary to promote the best interest of the said college; and, more especially, may appoint and establish overseers or visitors of the said college, with all necessary powers and authorities for the better aid, preservation and government thereof.

And be it further enacted by the authority aforesaid, that all the property, real and personal, belonging to the trustees of Williamstown Free School, be, and the same hereby is vested in the corporation, which by this act is created.

And be it further enacted by the authority aforesaid, that there be, and hereby is granted to the trustees of Williams College, for the use, benefit and purpose of supporting said college, twelve hundred pounds, to be paid out of the treasury of this Commonwealth; three hundred pounds of the same to be paid the first day of September, one

thousand seven hundred ninety-three, and three hundred pounds annually, on the first day of September, for the three succeeding years.

February 26, 1796, an additional act was passed, as follows:

WHEREAS, Doubts have arisen, whether the rights and credits which, previous to passing the act aforesaid, were vested in and belonging to the trustees of the donation of EPHRAIM WILLIAMS, Esquire, for maintaining a Free School in WILLIAMSTOWN, are by virtue of the same act transferred to and vested in the corporation of THE PRESIDENT AND TRUSTEES OF WILLIAMS COLLEGE:

Be it therefore enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, that the said rights and credits be and hereby are transferred to and vested in the said Corporation of THE PRESIDENT AND TRUSTEES OF WILLIAMS COLLEGE, who are hereby authorized to commence and prosecute to final judgment and execution, any suit or action in law or equity, which the said trustees of the donation of EPHRAIM WILLIAMS, Esquire, for maintaining a free school in WILLIAMSTOWN, might heretofore have commenced or prosecuted.

On petition of the trustees the legislature passed an act February 4, 1796, granting the college two townships of land "of the contents of six miles square each, to be laid out and assigned from any of the unappropriated lands belonging to this Commonwealth in the district of Maine." The act provided that the trustees "shall cause to be settled fifteen families in each of said townships within twelve years from the passing this resolve; and also that there be reserved in each township three lots of three hundred and twenty acres each for the following uses, viz., one lot for the first settled minister, one lot for the use of the ministry, and one lot for the use of schools in each of said townships." These lands were sold for about $10,000, and the proceeds devoted to building East College.

Nine years later the college again appealed to the legislature for assistance. A committee of that body, which investigated the condition and prospects of the institution, made the following report, February 19, 1805:

The Committee of both Houses, to whom was referred the petition of The President and Trustees of Williams College, praying the aid of government to enable them to build a chapel for the performance of divine service, and for keeping the college library and apparatus, having examined the origin, rise, and progress of the seminary, from its institution to the present time, together with the aid heretofore afforded by the government, and the existing state of its funds, beg leave to observe, That the funds granted by the original donor and the government have, in the opinion of the Committee, been judiciously applied to the object of the institution, and with success exceeding the most sanguine expectations, and that the present state of the college affords a reasonable and pleasing expectation of its future extensive benefits to society, and that a chapel for the purposes above mentioned would essentially promote the same; and as the encouragement and grants of the government to that college have not been equal to those made to other seminaries in the Commonwealth, the Committee ask leave to report the following resolve:

Resolved, For reasons set forth in the petition, that there be and hereby is granted one township of land of the contents of six miles square to be laid out and assigned from any of the unappropriated lands belonging to the Commonwealth, in the District of Maine, except the ten townships lately purchased of the Penobscot Indians. * * *

In 1809 the legislature granted another township of land in Maine "for further aid in support of Williams College and for the erecting of other buildings for the convenience of the institution and for sustaining a professor of the Oriental languages." The sum of $9,500 was realized from the last two townships.

The legislature passed an act February 24, 1814, "for the Encouragement of Literature, Piety and Morality and the Useful Arts and Sciences," and appropriated the taxes due to the Commonwealth from the Massachusetts Bank, "for the ten years next to come," to Harvard, Williams, and Bowdoin. Of this fund Williams received three-sixteenths parts, which amounted to $30,000. In 1859 the State gave the College $25,000 and in 1868, $75,000. The total of these legislative gifts is $153,500.

In 1884 the following act was passed:

An act to authorize The President and Trustees of Williams College to hold additional real and personal estate.

[Be it enacted, etc., as follows:]

SECTION 1. The proviso in section 4 of the act establishing Williams College, passed on the twenty-second day of June in the year seventeen hundred and ninety-three, is hereby amended so as to read: "Provided, nevertheless, that the clear annual income of the same shall not exceed two hundred thousand dollars."

SECTION 2. This act shall take effect upon its passage.

In 1890 the legislature passed the following act:

The corporation known as The President and Trustees of Williams College and its standing committees may hold special meetings without the limits of the Commonwealth.

In 1906 the legislature passed the following act:

An act to authorize The President and Trustees of Williams College to hold additional real and personal property.

[Be it enacted, etc., as follows:]

SECTION 1. The proviso at the end of section four of the act establishing Williams College, passed on the twenty-second day of June in the year seventeen hundred and ninety-three, as amended by chapter thirty-nine of the acts of the year eighteen hundred and eighty-three is hereby further amended by striking out the words "two hundred thousand," in the last line of the proviso, and inserting in place thereof the words:—one million,—so that the proviso will read as follows:—Provided, nevertheless, that the clear annual income of the same shall not exceed one million dollars.

SECTION 2. This act shall take effect upon its passage.

The principal college buildings with the dates of their erection are as follows: West College, 1790; East College, 1798; burned in 1841, rebuilt, 1842; Fayerweather Hall, 1905; formerly South College, 1842; Griffin Hall, 1828; moved and remodeled in 1904; Hopkins Observatory, 1837; Lawrence Hall Library, 1846; Goodrich Hall, 1859; formerly the Alumni Hall Chapel, remodeled and converted into recitation and seminar rooms in 1905; College Hall, 1872; Edward Clark Hall, 1908; original

structure erected in 1881; Field Memorial Observatory, 1882; Morgan Hall, 1882; Lasell Gymnasium, 1886; Library Extension, 1890; Hopkins Memorial Hall, 1890; Thompson Chemical Laboratory, 1892; Thompson Biological Laboratory, 1893; Thompson Physical Laboratory, 1893; College Infirmary, 1895; Jesup Hall, 1899; Thompson Memorial Chapel, 1904; Central Heating Plant, 1904; Berkshire Hall, 1905; Currier Hall, 1908.

ADMISSION

All correspondence in matters of admission should be addressed to the Chairman of the Committee on Admissions.

REQUIREMENTS FOR ADMISSION

An application for admission should be filed by every candidate not later than August 1st of the year in which he wishes to enter college. A blank for this purpose can be secured by addressing the Chairman of the Committee on Admissions.

Every candidate for admission must present a testimonial of good character from the principal under whom he was prepared for college. This must be submitted before the attendance on college exercises begins.

Candidates for admission to the Freshman class must present satisfactory qualifications in one of the following groups of subjects, the work covered by each subject being given in detail below. Students admitted under any of the five groups are candidates for the degree of Bachelor of Arts.

Group I	Group II
English *a* and *b*	English *a* and *b*
Greek *a*, *b*, *c*, and *g*	*French *a* and *b*
History *a*	History *a*
Latin *a*, *b*, *c*, *dq*, and *m*	Latin *a*, *b*, *c*, *dq*, and *m*
Mathematics *a* and *c*	Mathematics *a* and *c*
An Elective	An Elective

*The passing of French *a* (or German *a*) does not entitle to credit in French *b* (or German *b*). Both French *a* (or German *a*) and French *b* (or German *b*) must be passed.

Group III	Group IV
English *a* and *b*	English *a* and *b*
*German *a* and *b*	French *a*
History *a*	History *a*
Latin *a*, *b*, *c*, *dq*, and *m*	Latin *a*, *b*, *c*, *dq*, and *m*
Mathematics *a* and *c*	Mathematics *a*, *b*, *c*, *d*, and *f*
An Elective	An Elective

Group V

English *a* and *b*
German *a*
History *a*
Latin *a*, *b*, *c*, *dq*, and *m*
Mathematics *a*, *b*, *c*, *d*, and *f*
An Elective

The Elective required may be chosen by the candidate from the following list, it being understood that no subject specified as a requirement of a particular Group (like French *a* and French *b* in Group II) may serve as an Elective in that Group:

Class A	Class B	
Botany	Chemistry	Mathematics *b*
History *b*	French *a*	Mathematics *d*
History *c*	French *b*	Mathematics *f*
History *d*	German *a*	Physics
	German *b*	Zoology

The Electives of Class A may be presented by certificate or by examination; those of Class B may be presented by examination only.

The number of year-hours required for graduation is sixty-two, if the candidate offers an Elective of Class A; if he offers an Elective of Class B, the number of hours required for graduation is reduced by one for Mathematics *d;* by one and one-half for Mathematics *b* or Mathematics *f;* by two for Chemistry, Physics, or Zoology; and by three for French *a*, French *b*, German *a*, or German *b*. If a candidate offers two or more of the Electives of Class B (selecting those not specifically required in his Group), the

*See foot-note on page 29

requirement for graduation is diminished by the corresponding total number of hours. (*Cf.* pages 49-52.)

The details of the requirements in each subject except Botany and Zoology are given in the following pages. English includes in every case English *a* and *b;* Greek includes Greek *a*, *b*, *c*, and *g;* and Latin includes Latin *a*, *b*, *c*, *d*, *m*, and *q*.

For the details of the requirements in Botany, Chemistry, Physics, and Zoology, see the publications of the College Entrance Examination Board, Anticipation of College Courses, p. 49, and also *Chemistry* 1 and *Physics* 1 in the announcements of the respective departments in the College Catalogue.

The notation used agrees with that of the College Entrance Examination Board.

DETAILS OF SUBJECTS

English Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

English Grammar and Composition

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, paragraphs, and the different kinds of whole composition, including letter-writing, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise narration, description, and easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by the concerted effort of teachers in all branches

to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

LITERATURE

The second object is sought by means of two lists of books, headed respectively READING and STUDY, from which may be framed a progressive course in literature covering four years. In connection with both lists, the the student should be trained in reading aloud and encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

a READING The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

FOR STUDENTS ENTERING IN 1910 AND 1911

Shakespere's *The Merchant of Venice* and *Julius Cæsar;* the *Sir Roger de Coverley Papers* in the *Spectator;* Franklin's *Autobiography;* Scott's *The Lady of the Lake* and *Ivanhoe;* Hawthorne's *The House of the Seven Gables;* Macaulay's *Lays of Ancient Rome;* Tennyson's *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur;* Dickens's *A Tale of Two Cities*

FOR STUDENTS ENTERING IN 1912

Shakespere's *As You Like It* and *Julius Cæsar;* Franklin's *Autobiography;* Goldsmith's *The Deserted Village;* Dickens's *A Tale of Two Cities;* George Eliot's *Silas Marner:* Irving's *Sketch Book;* Scott's *The Lady of the Lake;* Byron's *Mazeppa* and *The Prisoner of Chillon;* Macaulay's *Lays of Ancient Rome*

FOR STUDENTS ENTERING IN 1913, 1914, AND 1915

After 1912 the books provided for reading are arranged in the following groups, from which at least ten units* are to be selected, two from each group:

*Each unit is set off by semicolons.

I. The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the *Iliad*, with the omission, if desired, of Books, XI, XIII, XIV, XV, XVII, XXI; Vergil's *Aeneid*. The Odyssey, Iliad, and Aeneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

II. Shakespere's *Merchant of Venice; Midsummer Night's Dream; As You Like It; Twelfth Night; Henry the Fifth; Julius Cæsar*

III. Defoe's *Robinson Crusoe, Part I;* Goldsmith's *Vicar of Wakefield;* either Scott's *Ivanhoe* or Scott's *Quentin Durward;* Hawthorne's *House of the Seven Gables;* either Dickens's *David Copperfield* or Dickens's *A Tale of Two Cities;* Thackeray's *Henry Esmond;* Mrs. Gaskell's *Cranford;* George Eliot's *Silas Marner;* Stevenson's *Treasure Island*

IV. Bunyan's *Pilgrim's Progress, Part I;* The *Sir Roger de Coverley Papers* in the *Spectator;* Franklin's *Autobiography* (condensed); Irving's *Sketch Book*, Macaulay's *Essays on Lord Clive* and *Warren Hastings*, Thackray's *English Humourists; Selections* from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the last Public Address, and the Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's *Oregon Trail;* Thoreau's *Walden*, or Huxley's *Autobiography* and selections from *Lay Sermons*, including the addresses on Improving Natural Knowledge, A Liberal Education, and a Piece of Chalk; Stevenson's *Inland Voyage* and *Travels with a Donkey*

V. Palgrave's *Golden Treasury* (*First Series*), *Books II and III*, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *Deserted Village;* Coleridge's *Ancient Mariner* and Lowell's *Vision of Sir Launfal;* Scott's *Lady of the Lake;* Byron's *Childe Harold, Canto IV*, and *Prisoner of Chillon;* Palgrave's *Golden Treasury* (*First Series*), *Book IV*, with especial attention to Wordsworth, Keats, and Shelley; Poe's *Raven*, Longfellow's *Courtship of Miles*

Standish, and Whittier's *Snow Bound;* Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab* and *Rustum;* Tennyson's *Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur;* Browning's *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City*

b STUDY This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions.

FOR STUDENTS ENTERING IN 1909, 1910, AND 1911

Shakespere's *Macbeth;* Milton's *Lycidas, Comus, L'Allegro*, and *Il Penseroso;* either Burke's *Speech on Conciliation with America* or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* either Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*

FOR STUDENTS ENTERING IN 1912

Shakespere's *Macbeth;* either Milton's *Comus, L'Allegro*, and *Il Penseroso*, or Tennyson's *Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur;* either Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*

FOR STUDENTS ENTERING IN 1913, 1914, AND 1915

Shakespere's *Macbeth;* Milton's *L'Allegro, Il Penseroso*, and *Comus;* either Burke's *Speech on Conciliation with America*, or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* either Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*

Note:—The books for 1910, 1911, and 1912 are selected from the list adopted by the Conference on Uniform Entrance Requirements in English, at meetings held in New York City on February 22, 1905 and February 22, 1908. Candidates may make other selections from that list provided they give notice of their intention to present these books, on or before the first day of February preceding the examination.

EXAMINATION

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which may be taken as a preliminary, and the other as a final.

The first part of the examination will be upon ten units chosen, in accordance with the plan described earlier, from the lists headed *Reading;* and it may include also questions upon grammar and the simpler principles of rhetoric, and a short composition upon some topic drawn from the student's general knowledge or experience. On the books prescribed for reading, the form of the examination will usually be the writing of short paragraphs on several topics which the candidate may choose out a considerable number. These topics will involve such knowledge and appreciation of plot, character-development, and other qualities of style and treatment as may be fairly expected. In grammar and rhetoric, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors.

The second part of the examination will include composition and those books comprised in the list headed *Study*. The test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books prescribed for *Study*, from the candidate's other studies, and from his personal knowledge and experiences quite apart from reading. For this purpose the examiner will provide several subjects, perhaps five or six, from which the candidate may make his own selections. The test on the books prescribed for study will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

FRENCH

6 **Elementary French**

The Aim of the Instruction At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of every-day life or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar as defined below.

The Work to be Done During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the form and the principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and the use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

Suitable texts for the second year are: About's *Le roi des montagnes*, Bruno's *Le tour de la France*, Daudet's easier short tales, LaBédollière's *La Mère Michel et son*

chat, Erckmann-Chatrian's stories, Foa's *Contes biographiques* and *Le petit Robinson de Paris*, Foncin's *Le pays de France*, Labiche and Martin's *La poudre aux yeux* and *Le voyage de M. Perrichon*, Legouvé and Labiche's *La cigale chez les fourmis*, Malot's *Sans famille*, Mairet's *La tâche du petit Pierre*, Mérimee's *Colomba*, extracts from Michelet, Sarcey's *Le siége de Paris*, Verne's stories.

b The Intermediate Requirement

The Aim of the Instruction At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

The Work to be Done This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's *Le gendre de M. Poirier*, Béranger's poems, Corneille's *Le Cid* and *Horace*, Coppée's poems, Daudet's *La Belle-Nivernaise*, La Brète's *Mon oncle et mon curé*, Madame de Sévigné's letters, Hugo's *Hernani* and *La chute*, Labiche's plays, Loti's *Pêcheur d'Islande*, Mignet's historical writings, Molière's *L'avare* and *Le bourgeois gentilhomme*, Racine's *Athalie*, *Andromaque*, and *Esther*, George Sand's plays and stories, Sandeau's *Mademoiselle de la Seiglière*, Scribe's plays, Thierry's *Récits des temps mérovingiens*, Thier's *L'expédition de Bonaparte en Egypte*, Vigny's *La canne de jonc*, Voltaire's historical writings.

GERMAN

a The Elementary Requirement

The Aim of the Instruction At the end of the elementary course in German the pupil should be able to read at sight, and to translate, if called upon, by way of proving ability to read, a passage of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German short English

sentences taken from the language of every-day life or based upon the text given for translation, and to answer questions upon the rudiments of the grammar, as defined below.

The Work to be Done During the first year the work should comprise: (1) careful drill upon pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of every-day life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (5) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise: (1) the reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen's *Märchen* and *Bilderbuch ohne Bilder;* Arnold's *Fritz auf Ferien;* Baumbach's *Die Nonna* and *Der Schwiegersohn;* Gerstäcker's *Germelshausen;* Heyse's *L'Arrabbiata, Das Mädchen von Treppi,* and *Anfang und Ende;* Hillern's *Höher als die Kirche;* Jensen's *Die braune Erica;* Leander's *Träumereien* and *Kleine Geschichten;* Seidel's *Mär-*

chen; Stökl's *Unter dem Christbaum;* Storm's *Immensee* and *Geschichten aus der Tonne;* Zschokke's *Der zerbrochene Krug.*

Good plays adapted to the elementary course are much harder to find than good stories. Five-act plays are too long. They require more time than it is advisable to devote to any one text. Among shorter plays the best available are perhaps Benedix's *Der Prozess*, *Der Weiberfeind*, and *Günstige Vorzeichen;* Elz's *Er ist nicht eifersüchtig;* Wichert's *An der Majorsecke;* Wilhelmi's *Einer muss heiraten.* It is recommended, however, that not more than one of these plays be read. The narrative style should predominate. A good selection of reading matter for the second year would be Andersen's *Märchen*, or *Bilderbuch*, or Leander's *Träumereien*, to the extent of, say, forty pages. After that such a story as *Das kalte Herz;* or *Der zerbrochene Krug;* then, *Höher als die Kirche*, or *Immensee;* next, a good story by Heyse, Baumbach, or Seidel; lastly, *Der Prozess.*

b The Intermediate Requirement

The Aim of the Instruction At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation, and to translate and explain (so far as explanation may be necessary) a passage of classical literature taken from some text previously studied.

The Work to be Done The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

The intermediate course is supposed to be the elementary course, plus one year's work at the rate of not less than four recitations a week. Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach's *Die Freiherren von Gemperlein;* Freytag's *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*—for example, *Karl der Grosse, Aus den Kreuzzügen, Doktor Luther, Aus dem Staat Friedrichs des Grossen;* Fouqué's *Undine;* Gerstäcker's *Irrfahrten;* Goethe's *Hermann und Dorothea* and *Iphigenie;* Heine's poems and *Reisebilder;* Hoffmann's *Historische Erzählungen;* Lessing's *Minna von Barnhelm;* Meyer's *Gustav Adolf's Page;* Moser's *Der Bibliothekar;* Riehl's *Novellen*—for example, *Burg Neideck, Der Fluch der Schönheit, Der Stumme Ratsherr, Das Spielmannkind;* Rosegger's *Waldheimat;* Schiller's *Der Neffe als Onkel, Der Geisterseher, Wilhelm Tell, Die Jungfrau von Orleans, Das Lied von der Glocke, Balladen;* Scheffel's *Der Trompeter von Säkkingen;* Uhland's poems; Wildenbruch's *Das edle Blut.*

GREEK

a i Greek Grammar

ii Greek Composition Translation into Greek of sentences based upon Xenophon's *Anabasis*, Books I and II

b Xenophon *Anabasis*, Books I-IV

c Homer *Iliad*, Books I-III (omitting II, 494-end), and the Homeric constructions, forms, and prosody

g Translation at sight of prose of no greater difficulty than Xenophon's *Anabasis*

HISTORY

a Ancient History, comprising Greek history to the death of Alexander, and Roman to the death of Constantine Oman's or Botsford's *Histories of Greece*, and Botsford's *History of Rome* are recommended. The related geography is also included.

Ancient History, as defined by the College Entrance Examination Board, extending to 814 A. D., will be accepted as an equivalent.

b Mediaeval and Modern History, from the death of Charlemagne to the present time As text-books, West's *Modern History* and Harding's *Essentials of Mediaeval and Modern History* are recommended. Collateral reading

and historical geography should form a part of the work in this subject.

The requirement for History *b*, as outlined by the College Entrance Examination Board, will be accepted.

c English History, as defined by the College Entrance Examination Board Walker's *Essentials in English History*, Cheyney's *Short History of England*, and Andrews's *History of England*, are recommended.

d American History Hart's *Essentials in American History*, Adams and Trent's *History of the United States*, Channing's *Students' History of the United States*, and McLaughlin's *History of the American Nation* are recommended.

LATIN

a i Latin Grammar

ii Latin Composition Translation into Latin of English passages based upon Cæsar and Cicero

b Cæsar *Gallic War*, Books I-IV

c Cicero Six orations

dq Vergil *Aeneid*, Books I-VI, and so much prosody as relates to accent, versification in general, and dactylic hexameter; and translation at sight of poetry of no greater difficulty than Vergil's *Aeneid*

m Translation at sight of prose of no greater difficulty than the easier portions of Cicero's orations

MATHEMATICS

a ELEMENTARY ALGEBRA

i Algebra to Quadratics Factoring, fractions, ratio and proportion, linear equations, problems depending on linear equations, radicals, and exponents

ii Quadratics and Beyond Quadratic equations, problems depending on quadratic equations, the binomial theorem for positive integral exponents, and arithmetical and geometrical progressions

b Advanced Algebra Higher Algebra through determinants and theory of equations, including logarithms, the binomial theorem for negative and fractional exponents, undetermined coefficients, partial fractions, reversion of series, and permutations and combinations

c Plane Geometry The usual theorems and constructions of the text-books, including the solution of numerous original exercises and applications to the mensuration of lines and plane surfaces

d Solid Geometry The usual theorems and constructions of the text-books, including the solution of numerous original exercises and applications to the mensuration of surfaces and solids

f Plane Trigonometry The six trigonometric functions, proofs of formulas, solutions of trigonometric equations, trigonometric analysis, theory and use of logarithms, and the solution of right and oblique triangles

b, *d*, and *f* above comprise the work of the college course, *Mathematics* I.

It is expected that, in a preparatory school which devotes five hours per week to Mathematics, the above requirements can be met as follows:—*a*, in one and one-half years; *b*, in one half-year; *c*, in one year; *d*, in one half-year; *f*, in one half-year.

ASSIGNMENT OF UNITS

In the terms of the scale of values adopted by the College Entrance Examination Board, where the unit represents one year's work in a secondary school, with four or five periods per week, the admissions subjects listed above have weights assigned as follows:—

Botany	1 unit
Chemistry	1 "
English *a*	2 units
English *b*	1 unit
French *a*	2 units
French *b*	1 unit
German *a*	2 units
German *b*	1 unit
Greek *a*	1 "
Greek *b*	1 "
Greek *c*	1 "
History *a*	1 "
History *b*	1 "
History *c*	1 "
History *d*	1 "
Latin *a*	1 "
Latin *b*	1 "
Latin *c*	1 "
Latin *dq*	1 "
Mathematics *a*, i	1 unit
Mathematics *a* ii	½ unit

Mathematics *b*	½ unit
Mathematics *c*	1 "
Mathematics *d*	½ "
Mathematics *f*	½ "
Physics	1 "
Zoology	1 "

ARRANGEMENT OF EXAMINATIONS FOR ADMISSION

Examinations for admission are held twice each year, in June and in September.

In June the entrance examinations of the College are those of the College Entrance Examination Board, of which Williams College is a member. An application for the privilege of taking these examinations must be made to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., from whom all necessary information regarding the June examinations can be obtained. These examinations are held annually in June at a large number of widely distributed points, including Williamstown.

In June, 1910, the entrance examinations of the College Entrance Examination Board will be held June 20-25.

All applications for examination must be addressed to the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., and must be made on a blank form to be obtained from the Secretary of the Board.

Applications for examination at points in the United States east of the Mississippi River, also at Minneapolis, St. Louis, and other points on the Mississippi River, must be received by the Board at least two weeks in advance of the examinations, that is, on or before Monday, June 6, 1910. Applications for examination elsewhere in the United States or in Canada must be received at least three weeks in advance of the examinations, that is, on or before Monday, May 30, 1910. Applications for examination outside of the United States and Canada must be received at least five weeks in advance of the examinations, that is, on or before Monday, May 16, 1910.

Applications received later than the dates named will be accepted when it is possible to arrange for the examination of the candidates concerned, but only upon the payment of $5.00 in addition to the usual examination fee.

The examination fee is $5.00 for all candidates examined at points in the United States and Canada and $15.00 for all candidates examined outside of the United States and Canada. The fee (which cannot be accepted in advance of the application) should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

A list of the places at which examinations are to be held by the Board will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be addressed to the Secretary of the Board not later than February 1.

The marks given by the Board to the papers submitted will be accepted by the college on the same terms as the results of the examinations conducted by the college in September. Candidates for admission to Williams College should forward the results of their examinations, as soon as they are received from the Board, to the Chairman of the Committee on Admissions, Williamstown, Mass.

The custom of sending examination papers from the college in June to preparatory schools for the use of candidates preferring to take the Williams College examinations there has been discontinued.

In September the entrance examinations are given only by the college and do not include the subjects, Botany and Zoology. They will be held for the next college year in rooms 6 and 10, Hopkins Hall, on the Friday, Saturday, Monday, Tuesday, and Wednesday before the beginning of the first semester, September 9-14, 1910, as follows:

FRIDAY

8 A.M.—French *a*
2 P.M.—German *a*

SATURDAY

8 A.M.—*French *b*
2 P.M.—*German *b*

*Candidates for admission will be required to gain credit in French *a* or German *a* before trying French *b* or German *b* respectively in September.

MONDAY

8 A.M.—English *a* and *b*
10.30 A.M.—History *a*
2 P.M.—Greek *a*, *b*, *c*, and *g*

TUESDAY

8 A.M.—Latin *a*, *b*, *c*, *dq*, and *m*
2 P.M.—Mathematics *a*, *b*, *c*, *d*, and *f*

WEDNESDAY

8 A.M.—Chemistry, History *b*, History *c*, History *d*
2 P.M.—Physics

Examinations in Botany and Zoology are offered in June only.

The passing mark is fifty in all final entrance examinations, and sixty or seventy-five, as explained below, in preliminary examinations.

Certificates showing that candidates have passed the entrance examinations of another college or university in subjects required for admission to Williams College will ordinarily be accepted as valid, for the subjects which they cover, on the same terms and conditions as the results of the regular Williams College admission examinations. But the examinations of the September in which the candidate seeks admission may not be taken elsewhere than at Williams College.

PRELIMINARY EXAMINATIONS

Preliminary examinations in any of the requirements for admission may be taken a year in advance; but the candidates for such examinations must submit in advance from the principals of their schools certificates specifying that their teachers consider them prepared in the subjects selected; while candidates for preliminary examinations in September must submit also satisfactory evidence that they have made a thorough review during the summer.

The examination will cover the whole of each subject offered by the candidate; for example, Greek *b*, Latin *c*,

or Mathematics *c* cannot be divided between the preliminary and the final examinations.

In order to prevent an interruption to studies which are to be continued in college, candidates are expected to reserve the following subjects for the final examinations: English *b*, Greek *c*, Latin *c* or *d*, and Mathematics *a* or *c* (or Mathematics *b*, *d*, and *f*, if the admission group is IV or V). The mark required for gaining preliminary credit in these subjects is seventy-five; the passing mark for preliminary credit in all other admission subjects is sixty.

Credit for the preliminary examination may be refused unless the applicant pass in a substantial part of the subjects offered. The preliminary certificate will be valid for a year only, unless the examination has been passed in a specially creditable manner.

The times and places of the preliminary examinations, as well as the questions submitted, are the same as for the regular final examinations.

ADMISSION BY CERTIFICATE

Under certain conditions specified below, certificates of preparatory schools are accepted in place of examinations in Botany, English, Greek, History, Latin, and Mathematics *a* and *c*. Certificates will in no case be accepted for Chemistry, French *a* or *b*, German *a* or *b*, Mathematics *b*, *d*, or *f*, Physics, Zoology, or for the anticipation of any course of study offered in college.

No certificate in Mathematics *a* will be accepted unless accompanied by a statement that at least fifty regular recitation exercises have been devoted to a review of Mathematics *a* or to Mathematics *b* during the last preparatory school year.

The privilege of sending students by certificate may be granted by the college to any school outside New England which requests it, provided that the school has at least one candidate already nearly prepared for admission to Wil-

liams College and that the Faculty of the college has such information concerning the work of the school as will warrant granting the request. In general, a school which has recently sent properly trained students by examination is considered entitled, on application, to receive the certificate privilege and to retain it as long as there is no radical change in the management of the school; but any school will be dropped from the approved list whenever for a period of five years it has sent no students to the college.

Application for the certificate privilege for schools outside New England should be made by the principal on a blank provided for the purpose by the Chairman of the Committee on Admissions. For the usage in the case of New England schools, see page 48.

The certificate privilege is not granted to private tutors; and it is revocable in all cases when, in the opinion of the Faculty of the college, it is not properly exercised.

Certificates must be made out on blank forms furnished by the Chairman of the Committee on Admissions, and in accordance with the instructions contained therein. These certificates must contain an explicit statement of the work done by the candidates and the time devoted to it. If the work covered by the certificate is less than two-thirds of the total requirement for admission in the Group in which the candidate proposes to enter, the certificate will not be accepted. If the time devoted to a given subject seems inadequate, the certificate may be rejected for the subject in which such deficiency appears, though it may remain valid for other subjects. In such cases an examination upon the subjects involved will be required. For slight deficiencies conditions may be imposed.

A student who has failed to pass the admission examinations in September at this or any other college will not be admitted by certificate unless he has had, since such failure, at least a year of study in the school whose principal issues the certificate.

Freshmen who have entered by certificate and have subsequently been dismissed for failure in their studies may re-enter with the next class only on passing the entrance examinations. Certificates will not be accepted in such cases. Students thus dismissed may be excused from examination in certain subjects for re-admission, if, in the judgment of the Committee on Admissions, their records warrant such exemption.

When a year or more has passed between the completion of the work for which the certificate vouches and the time for the student to enter college, satisfactory evidence that he has kept up his studies in the interval is required.

Certificates must be signed by the principal of the school (or some one duly qualified to act in his stead) and are to be sent to the Chairman of the Committee on Admissions before July 15th, so far as is practicable, but not in advance of the actual completion of the work for which they vouch. All certificates should be submitted at least as early as the first of September.

Blank certificates will be sent to the principal of any approved school on request, but are not sent to other persons.

The certificates of the schools approved by the New England College Entrance Certificate Board are accepted, in accordance with the statements made above and subject to the rules of the Board, for admission to Williams College. Certificates are not accepted from any schools in New England which lack the approval of that Board. Principals of schools in New England who desire the certificate privilege should address the Secretary of the Board, Professor Nathaniel F. Davis, 159 Brown St., Providence, R. I. Applications for approval must be received by the Secretary before April 1st in order to be approved for the next college year.

The credits gained at the examinations of the Board of Regents of the State of New York are accepted for admis-

sion purposes on the same terms as the certificates of approved schools.

All correspondence in matters of admission should be addressed to the Chairman of the Committee on Admissions.

ANTICIPATION OF COLLEGE COURSES

I *Subjects in the admission Groups*

Any college course included in the admission Groups of pages 29, 30 of this catalogue, and the courses announced as *Chemistry* 1 and *Physics* 1, will be counted towards a degree, if offered in addition to the subjects required in the chosen Group. The examinations in such additional subjects are the regular examinations for admission and are to be taken at the appointed times in June and September. In Chemistry and Physics such a laboratory note-book as is required by the College Entrance Examination Board is demanded by the college as evidence of the candidate's qualification for the admission examinations in those subjects. Students will not be required after entrance to substitute other courses in place of those anticipated, provided only that the number of hours of classroom work per week is never less than twelve. The Chemistry and Physics examinations of the College Entrance Examination Board are counted equivalent to the entrance examinations in Chemistry and Physics offered at the college in September.

The college courses which may be anticipated thus are the following:—*Chemistry* 1, *French* 1, *French* 2, *German* 1, *German* 2, *Mathematics* 1, and *Physics* 1.

II *Subjects not in the admission groups*

Any student may be allowed, by special vote of the Faculty, to anticipate by examination a course of study not

included among those mentioned in the above paragraph if he gives evidence of having had satisfactory instruction in the subject in some school or college. In such anticipatory examinations a grade as high as B is required.

GRADUATION IN THREE YEARS

A student who is able to anticipate at admission, in accordance with the above rules, two college courses may, by taking nineteen hours for two years, and eighteen hours for the third year, complete the requirement for graduation in three years; but the Faculty will decline to permit a student to undertake this unless his general scholarship is of high character.

ADMISSION TO ADVANCED STANDING

Students who come from other colleges and who bring certificates of honorable dismissal may, upon proof of their qualifications, be admitted to a corresponding standing in this college.

All correspondence in matters of admission to college should be addressed to the Chairman of the Committee on Admissions.

CURRICULUM

THE GROUP SYSTEM

The fundamental principle of the curriculum is that of the Group System, which comes into operation at the close of the Freshman year. This Group System presents the following features:—

There are three groups, I Languages, II Philosophy (including Art, Economics, Government, and History), and III Sciences (including Mathematics).

After Freshman year and under the operation of the Group System, all courses are elective.

Although no specific courses are required after Freshman year, every student must have completed after that time and before graduation at least 12 semester-hours* in each one of the three groups.

Every student must have completed, after Freshman year and before graduation, a major study. By a major study is meant a special, cumulative study of fundamental and advanced courses, amounting to at least 15 semester-hours in some one of the following subjects:—

1 Greek; 2 Latin; 3 English; 4 French; 5 German; 6 Philosophy; 7 History; 8 History and Art; 9 Economics; 10 Economics and Government; 11 Mathematics; 12 Mathematics and Astronomy; 13 Chemistry; 14 Chemistry and Geology; 15 Physics; 16 Biology.

Students in the course with Greek (Admission Group I) must have completed after Freshman year and before graduation at least 6 semester-hours of Greek or Latin.

Elementary French or Elementary German must either be presented at entrance in addition to the entrance sub-

*[NOTE—A semester-hour, or half-year-hour, is one hour a week continued for a semester. A year-hour is one hour a week continued for a year. Twelve semester-hours are therefore equivalent to four three-hour-a-week courses carried through a semester, or to two three-hour-a-week courses carried through a year.]

jects required, or else be taken as an extra course after entrance. The number of year-hours required for a degree will be 59 for those fulfilling this requirement at entrance and 62 for those who take the course in college. A second year is required of the language presented at entrance or begun in the Freshman year. (*Cf.* page 53.)

At least 32 semester-hours of Sophomore work (the equivalent of four four-hour year courses) must be taken before graduation. (*Cf.* page 54.)

The number of semester-hours required for graduation is 118 (59 year-hours); or 124 (62 year-hours) for those who do not present one year of a modern language at entrance in addition to the subjects *required* by their admission Group (see pp. 29, 30); but every student, in order to be graduated, must have attained a grade above that of D in at least one-half the numbers of hours required for graduation; and all courses regularly taken in the Senior year must be passed, even though they may not be necessary for completing the number of hours indicated above.

EXHIBIT OF STUDIES

The following exhibit of studies indicates the courses of instruction that are offered to each class. The studies of the Freshman year are prescribed, except that there is an option between French and German for students in Group I. Students in Groups II and IV must have completed before graduation the work covered by Courses 1, 2, and 3 or 4 in French, and Courses 1 and 2 in German; those in Groups III and V must have completed before graduation the work covered by Courses 1 and 2 in French, and Courses 1, 2, and 3 or 4 in German; those in Group I must have completed the second year's work in one of these languages. The groups are arranged according to the different terms of admission stated on pp. 29, 30. The unenclosed figures refer to the courses of instruction as announced by the departments in the catalogue and the figures in parenthesis indicate the number of exercises per week in each course.

FRESHMAN YEAR—Required Courses

Admission Group I		Admission Group II		Admission Group III		Admission Group IV		Admission Group V	
English 1	(2)	English 1	(2)	English 1	(2)	English 1	(2)	English 1	(2)
French 2 or German 2	(3)	French 3 or 4	(4)	French 2	(3)	French 2	(4)	French 2	(3)
		German 2	(3)	German 3 or 4	(4)	German 2	(3)	German 2	(4)
Greek 1	(4)	Latin 1	(3)	Latin 1	(3)	Latin 1	(3)	Latin 1	(3)
Latin 1	(3)	Mathematics 1	(4)	Mathematics 1	(4)	Mathematics 2	(4)	Mathematics 2	(4)
Mathematics 1	(4)		16		16		16		16
	16	Elocution		Elocution		Elocution		Elocution	
Elocution		Hygiene and Physical Training		Hygiene and Physical Training		Hygiene and Physical Training		Hygiene and Physical Training	
Hygiene and Physical Training									

Note—Freshmen in Group I who offer neither French 1 nor German 1 at entrance will take one of those courses instead of French 2 or German 2. Similarly, those in Groups II and IV who do not offer German 1 at entrance will take that course instead of German 2; and those in Groups III and V who do not offer French 1 at entrance will take that course instead of French 2.

SOPHOMORE YEAR

At least 32 semester-hours must be taken before graduation from the so-called Sophomore courses. In this list no modern language course is to be counted for Sophomore hours by students of Group I unless it is taken in addition to the requirements of that Group as stated in the first paragraph of page 53. Similarly, for students in the other Groups, with the exception that *French* 3 or 4 is to be counted as a Sophomore course in Group IV and *German* 3 or 4 likewise in Group V. The entire list is as follows:

YEAR COURSES

French 1	(3)
†French 3 or 4	(3 or 4)
German 1	(3)
†German 3 or 4	(4)
Greek 2	(3 or 4)
Latin 2	(4)
Mathematics 2	(4)
(Mathematics 3 for Groups IV and V)	(3)
††Spanish	(4)

SEMESTER COURSES

FIRST SEMESTER		SECOND SEMESTER	
Chemistry 1	(4)	Biology 1	(4)
English 2	(4)	Chemistry 2	(5)
History 1	(4)	English 3	(4)
Physics 1	(4)	History 2	(4)
		Physics 2	(5)

†French 3 and German 3 are given in alternate years with French 4 and German 4 respectively.
††To be given in alternate years; not offered in 1909-1910.

JUNIOR AND SENIOR YEARS

All courses in these years are elective, subject to the regulations governing the Group System as given above.

CONSPECTUS OF COURSES FOR THE COLLEGE YEAR

1909—1910

ARRANGED ACCORDING TO THE THREE GENERAL GROUPS

Courses marked with one asterisk are offered for the first semester only; those marked with two asterisks are offered for the second semester only. Three exercises a week are held in all courses except where otherwise indicated in parenthesis after the name of the course; a numeral in parenthesis indicates the number of exercises per week.

I LANGUAGES	II PHILOSOPHY	III SCIENCES
English 1 (2)	*Art 1	Astronomy 1
*English 2 (4)	**Art 2	**Astronomy 2
**English 3 (4)	*Art 3	**Biology 1 (4)
*English 5 (4)	**Art 4	Biology 2
English 6	Economics 1	Biology 3
English 8	*Economics 2	**Biology 4
**English 9	**Economics 3	*Botany 1
**English 10	*Economics 4	**Botany 2
*English 11	**Economics 5	*Chemistry 1 (4)
*English 12	*Government 1	**Chemistry 2 (5)
**English 13	**Government 2	*Chemistry 3
*English 14	**Government 3	**Chemistry 4
**English 15	*Government 4	*Chemistry 5
French 1	**Government 5	**Chemistry 6
French 2	*History 1 (4)	Geology 1
French 4 (4)	**History 2 (4)	*Geology 2
French 4A	History 3	**Geology 3
French 4B	History 4	**Geology 4
German 1	History 5	Mathematics 1 (4)
German 2 (3 or 4)	*History 6	Mathematics 2 (4)
German 3A (4)	**History 7	Mathematics 3
German 3B (4)	**History 9	*Mathematics 4
German 5	*Philosophy 1	**Mathematics 5
Greek 1 (4)	**Philosophy 2	*Mathematics 6
Greek 2 (3 or 4)	*Philosophy 3	**Mathematics 7
*Greek 3	*Philosophy 4	*Meteorology
**Greek 4	*Philosophy 5	*Physics 1 (4)
*Greek 5	**Philosophy 6	**Physics 2 (5)
**Greek 7	**Philosophy 7	Physics 3
Latin 1	**Philosophy 8	*Physics 4
Latin 2 (4)	**Philosophy 9	**Physics 5
*Latin 3	*Philosophy 10 (4 until Christmas; counting as 3)	*Physiology 1
**Latin 4		**Physiology 2
*Latin 5 (3 or 4)		
**Latin 6 (3 or 4)		
*Oratory 1		
**Oratory 2		

Also Elocution, Hygiene, and Physical Training

All college exercises are held according to the following schedule:

GROUPS OF HOURS

ARRANGED ACCORDING TO TIME:

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
8:00	g	D,d	D,d	A,a	A,g	A,a
9:00	h	E,e	E,e	B,b	B,h	B,b
10:00	j	F,f	F,f	C,c	C,i	C,c
11:00	k	l	i	j	k	l
1:00	A,a	A,g	j	D	D,d	
2:00	B,b	B,h	k	E	E,e	
3:00	C,c	C,i	l	F	F,f	

ARRANGED ACCORDING TO LETTERS:

Group A	M. Tu. 1:00-2:00, Th. F. S. 8:00-9:00	Group d	Tu. W. 8:00-9:00, F. 1:00-2:00
Group B	M. Tu. 2:00-3:00, Th. F. S. 9:00-10:00	Group e	Tu. W. 9:00-10:00, F. 2:00-3:00
Group C	M. Tu. 3:00-4:00, Th. F. S. 10:00-11:00	Group f	Tu. W. 10:00-11:00, F. 3:00-4:00
Group D	Tu. W. 8:00-9:00, Th. F. 1:00-2:00	Group g	M. F. 8:00-9:00, Tu. 1:00-2:00
Group E	Tu. W. 9:00-10:00, Th. F. 2:00-3:00	Group h	M. F. 9:00-10:00, Tu. 2:00-3:00
Group F	Tu. W. 10:00-11:00, Th. F. 3:00-4:00	Group i	Tu. 3:00-4:00, W. 11:00-12:00, F. 10:00-11:00
Group a	M. 1:00-2:00, Th. S. 8:00-9:00	Group j	M. 10:00-11:00, W. 1:00-2:00, Th. 11:00-12:00
Group b	M. 2:00-3:00, Th. S. 9:00-10:00	Group k	M. F. 11:00-12:00, W. 2:00-5:00
Group c	M. 3:00-4:00, Th. S. 10:00-11:00	Group l	Tu. S. 11:00-12:00, W. 3:00-4:00

The groups of no two small letters conflict, and the groups of no two large letters conflict.

Group a conflicts with group A, group b conflicts with group B, etc.

Group g conflicts with group A, group h with B, and group i with C.

NOTE:—Between the Thanksgiving recess and the Easter recess, the hours will be regularly one-half hour later than the schedule indicates.

COURSES OF INSTRUCTION*

LANGUAGES

ENGLISH

Professor MAXCY, Assistant Professor PERRY, Assistant Professor REES, Mr. ALLEN, and Mr. ROGERS

English 1 *Rhetoric and Composition* The work of the first semester is devoted mainly to the essentials of Good Use. The text books (Wendell's *English Composition*, and Woolley's *Handbook of Composition*) are supplemented by theme writing on assigned topics, and all written exercises receive extended criticism. A considerable amount of outside reading is also required as the basis of written work in class. During the current year the class reads the greater part of Macaulay's essays.

The work of the second semester is devoted to the study of expository writing, including presentation, interpretation, elementary criticism, etc. As a basis for written exercises the class reads selections from Mill, Ruskin, Huxley, De Quincey, and other eminent nineteenth century writers.

Freshman required course

Two hours a week through the year

Professor MAXCY, Mr. ALLEN, and Mr. ROGERS

**English* 2 *Narration* This course is devoted to narrative writing. The elements of narration are discussed in turn: setting, plot, character, etc., and the various forms of narrative composition; paragraph items, the short story, biography, history, etc. In connection with these topics the class studies a number of literary masterpieces. During the current year Creasy's *Fifteen Decisive Battles of the World*, the *Biography of Alice Freeman Palmer*, and Trollope's *Barchester Towers*, and about fifty specimens of the short story are among the selections assigned. The class is also required to present original

*[NOTE—In what follows concerning Courses of Instruction, if the name of a course is preceded by one asterisk, the course is a first semester course; if the name of a course is preceded by two asterisks, the course is a second semester course; if the name of a course is preceded by no asterisks, the course is a full year course.]

exercises in narrative composition: at least two short stories of the length usually found in magazines, and many briefer exercises such as character sketches, biographic summaries, studies in setting, character, etc.

Sophomore elective course; *English* 1 prerequisite
Four hours a week during the first semester
Professor MAXCY, Mr. ALLEN, and Mr. ROGERS

***English* 3 *English Literature* This course is two-fold, embracing not only an historical survey of English literature from the earliest times to the present day, but also a wide range of outside readings so arranged as to accompany the text-book and lectures. Examinations are held on each assignment. In addition to the assigned readings, the course embraces the presentation to the class of a wide selection of classic prose and poetic masterpieces. The work is arranged with the view to laying a broad foundation for the English electives taken up later.

The text-book work conforms in general to the matter contained in Moody and Lovett's *History of English Literature.*

Sophomore elective course
Four hours a week during the second semester
Assistant Professor REES and Mr. ROGERS

**English* 4 *Anglo-Saxon* An elementary study of Anglo-Saxon, accompanied by lectures on the principles involved in the development of the English language Smith's *Old English Grammar* and Bright's *Anglo-Saxon Reader* are used as text-books.

Senior and Junior elective course
Three hours a week during the first semester
Assistant Professor REES

**English* 5 *Argumentation* This course is devoted to the study of argumentative composition; its purpose is to train the student in logical and systematic methods of thought.

The main divisions of the course are: (a) correct phrasing of propositions suitable for discussion; (b) the analysis of propositions; (c) the study of evidence; (d) inductive and deductive methods; (e) generalization and analysis; (f) causal relations; (g) fallacies; (h) methods of refutation; (i) construction of briefs; (j) rhetorical qualities of the forensic; (k) persuasion; (l) argumentative principles as applied to debate.

In connection with the study of argumentative theory, each student is trained in the practice of argumentative composition by the writing of briefs, forensics, and various argumentative themes and

exercises. As in *English* 1 and *English* 2, the work of each man is subjected to extended criticism.

The text-book is Foster's *Argumentation and Debating*, and this is supplemented by various texts of argumentative masterpieces.

Senior and Junior elective course

Four hours a week during the first semester

Professor MAXCY

**English* 6 *Chaucer and Middle English* A brief consideration of Middle English grammar is followed by the careful reading of all of Chaucer's important writings, particularly the *Canterbury Tales* and *Troilus and Criseyde*. Attention is given to the life and times of Chaucer. Selections from a few other fourteenth century authors are read rapidly.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor REES

[***English* 7 *The History and Development of the English Novel*

This course alternates with *English* 15.

Senior and Junior elective course, open to those who have taken or who are taking *English* 3

Four hours a week during the second semester

Omitted 1909-1910

Professor MAXCY]

English 8 *The Elizabethan Drama* A study of the Elizabethan drama which includes study from the Miracle Plays to the closing of the theatres A critical and appreciative study of Shakespere's plays with particular emphasis upon Shakespere as a dramatic artist *Shakespere and his Predecessors* by Boas is used as a general text-book.

Senior elective course

Three hours a week through the year

Assistant Professor PERRY

***English* 9 *English Literature of the Eighteenth Century* Lectures will be given on the progress and interpretation of English literature during the period. Readings and critical essays are required.

Senior elective course

Three hours a week during the second semester

Assistant Professor REES

***English* 10 *English Poets of the Nineteenth Century* This course consists of lectures, biographical and critical, together with assigned

readings. It includes a study of Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, and other poets of the period.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor PERRY

**English* 11 *English Prose Writers of the Nineteenth Century* A course in which the principal prose writers of this period are studied A considerable amount of reading is assigned.

Senior elective course

Three hours a week during the first semester

Assistant Professor REES

**English* 12 *American Literature* A study of American literature, both prose and poetry The first part of the course consists of lectures on the early colonial writers. Wendell and Greenough's *American Literature* is used as a text-book and a considerable amount of outside reading is required.

Senior and Junior elective course

Three hours a week during the first semester

Assistant Professor PERRY

***English* 13 *The English Drama from* 1642 *to* 1902 Preliminary lectures are given upon the structure of the drama. The course includes the reading of representative plays from Congreve to Jones and Pinero.

Senior elective course; *English* 3 prerequisite

Three hours a week during the second semester

Assistant Professor PERRY

**English* 14 *The English Bible* In this course the growth, the literary characteristics, and the influence of the English *Bible* are considered.

Senior elective course

Three hours a week during the first semester

Assistant Professor REES

***English* 15 This course is devoted to the study of critical composition. It includes in general the matter discussed in Winchester's *Principles of Literary Criticism* and Gardiner's *Forms of Prose Literature*. The discussions are supplemented by extensive readings in the literature of criticism and by essays on critical topics chosen in connection with the readings.

Senior and Junior elective course, *English* 2 prerequisite

Three hours a week during the second semester

Professor MAXCY

GERMAN

Professor WAHL, Assistant Professor KING, Dr. JOHNSON, Mr. HEWITT, and Dr. EISERHARDT

German 1 *Elementary German* This is a course in grammar, composition, and the reading of narrative prose, and some lyrics. Oral use of the language is introduced gradually, and special attention is paid to pronunciation in the small sections into which the class is divided.

Optional with *French* 1 for Freshmen in Group I who entered without a modern language Required of students in Groups II and IV who do not offer *German* 1 for entrance, elective for all others

Three hours a week through the year

Professor WAHL, Mr. HEWITT, and Dr. EISERHARDT

German 2 *Intermediate German* In this course are read modern novels, Schiller's *Wilhelm Tell*, and Goethe's *Hermann und Dorothea*. The course includes also grammar, composition and dictation. The oral use of the language is increased in connection with the texts read.

Required of students in Groups II, IV and V; elective for all others who have completed *German* 1

Three hours a week through the year; four hours for Freshmen who have completed *German* 1

Assistant Professor KING, Dr. JOHNSON, MR. HEWITT, and DR. EISERHARDT

German 3 *Advanced German*

German 3A This course is devoted to the German prose literature of the nineteenth century, especially the novel. It includes composition, dictation, collateral reading, and lectures in German on the literature of the period.

It is divided into two distinct sections,—one for those who have had only *German* 2 and one for those who have had both *German* 2 and *German* 4

This course alternates with *German* 4A

Sophomore elective course, open to Seniors, Juniors, and Sophomores who have completed *German* 2 and *German* 4

Four hours a week through the year

Assistant Professor KING and Dr. JOHNSON

German 3B This course is devoted to the reading of works of Schiller and Lessing. It includes composition, dictation and lectures, and is conducted, as far as practicable, in German.

This course alternates with German 4B.
For Freshmen who have completed *German* 2
Four hours a week through the year
Professor WAHL and Mr. HEWITT

[*German* 4 *Advanced German*

German 4A This is a course in reading modern German literature, especially modern dramas. It is conducted, as far as practicable, in German, and lectures on the history of the literature of the nineteenth century are given in German. It also includes composition and collateral reading.

This course alternates with *German* 3A.
Open to Seniors, Juniors, and Sophomores who have completed *German* 2 or *German* 3
Four hours a week through the year

German 4B This course is devoted to the reading of works of Schiller and Lessing. It includes also composition, dictation and lectures, and is conducted, as far as practicable, in German.

For Freshmen who have completed *German* 2
This course alternates with *German* 3B.
Four hours a week through the year
Omitted 1909-1910

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German 5 *Elective Advanced German* Selections from Gustav Freytag's *Bilder aus der deutschen Vergangenheit*, beginning with the essay on Luther, are read, also selections from his series of novels, *Die Ahnen*, dealing with German life at different times of the period from Luther to Goethe. The literary, political, and social movements of this period are further illustrated by lectures in German and the reading of legends, *Volkslieder*, hymns, and other literature of the period.

This course alternates with German 6.
Senior and Junior elective course; *German* 3 or 4 prerequisite
Three hours a week through the year
Professor WAHL

[*German* 6 *Elective Advanced German* This course is devoted to the reading of Goethe's *Faust* (Parts I and II) and other works of the poet, together with a study of his life and times. It is conducted, as far as practicable, in German, including lectures in German.

This course alternates with *German* 5.

Senior and Junior elective course; *German* 3 or *German* 4 prerequisite

Three hours a week through the year

Omitted 1909-1910

Professor WAHL]

GREEK

Professor HOWES, Assistant Professor DICKERMAN, Mr. HACK, and Mr. FERGUSON

Greek 1 *Herodotus* as found in Fernald's *Selections* is read. Attention is given to a systematic review of Greek forms and syntax, with constant reference to Goodwin's *Greek Grammar*.

Homer Books V, VI, VII and VIII of the *Odyssey* Some of the principal Homeric questions are discussed. The instructor gives to the class several readings from portions of the poem not prescribed for the daily work.

Lysias Special attention is given to the political and social allusions which abound in the orations of Lysias.

Required course for Freshmen in Group I

Four hours a week through the year

Professor HOWES, Assistant Professor DICKERMAN, Mr. HACK, and Mr. FERGUSON

Greek 2 This course may be reckoned as a three-hour or a four-hour course, according as a student wishes or not to devote a fourth hour to New Testament Greek.

Xenophon and Plato Selections from the *Memorabilia* of Xenophon are read by the class. The instructor reads to the class the *Apology* of Plato and portions of the *Crito* and *Phaedo*. There is some discussion of the earlier Greek philosophy and of the philosophy of Plato.

Greek Drama Aeschylus, Sophocles, Euripides, and Aristophanes

Iphigenia Among the Taurians is read by the class chiefly from the literary point of view, and special attention is given to points of similarity and dissimilarity between the ancient and the modern drama. The instructor reads to the class the whole or portions of other plays, among which will be the *Agamemnon*, *Antigone*, and *Alcestis*. The last part of the course is devoted to Greek comedy and to the reading of the *Birds* of Aristophanes. The instructor reads to the class portions of the *Clouds* and *Frogs*. The origin and development of the Greek drama and the subject of the Greek theatre are taken up by the instructor.

Those taking the four-hour course devote one hour a week to the *Gospel of John*.

Sophomore elective course

Three (or four) hours a week through the year

Assistant Professor DICKERMAN

**Greek* 3 While this course is largely a study in literature, history and archæology, and so designed to impart a general culture, the course is also intended to be helpful to those intending to teach, or to pursue graduate courses in the ancient languages.

For a part of the semester in place of one of the exercises the class does seminar work under the direction of the instructor.

The *Iliad* is read rapidly with special reference to its literary qualities, but critical interpretation is given to some portions of it.

Senior and Junior elective course, open to all who have completed *Greek* 2, and to others with the consent of the instructor

Three hours a week during the first semester

Professor HOWES

***Greek* 4 The *Homeric Hymns*, the *Works and Days* of Hesiod, and some of the best of the *Elegiac*, *Iambic*, and *Melic* fragments are read.

Senior and Junior elective course, open to all who have completed *Greek* 2, and to others with the consent of the instructor

Three hours a week during the second semester

Professor HOWES, and
Assistant Professor DICKERMAN

**Greek* 5 *Greek Literature* Some of the masterpieces of Greek Literature are read, in translation, both in the class room and as assigned reading. The instructor gives a brief account of the lives of the authors whose works are read and traces the origin and development of the various forms of literature. No knowledge of Greek is required.

Senior and Junior elective course

Three hours a week during the first semester

Professor HOWES

[**Greek* 6 *Life of the Ancient Greeks*
Omitted in 1909-10]

***Greek* 7 *Greek History* Social, political, and military history, from the origins of the Greek cities to the Roman conquest Greek democracies, especially at Athens, Syracuse, and Tarentum; Alexander; the Hellenistic kingdoms; the federal unions; and the republic

of Rhodes are studied. Attention is given to the social and political theory of the Greeks.

Reading, lectures, quizzes, and written work

The required reading in this course is in English only, but consultation of the Greek sources is encouraged.

Special instruction is offered, if desired, to prospective teachers, or to any students wishing to attempt some original investigation, but the course aims primarily to trace for the general student the progress of Hellenic civilization with emphasis upon its abiding influences on later times.

Senior and Junior elective course; *Greek* 1 prerequisite

Three hours a week during the second semester

Assistant Professor CLARK

LATIN

Professor WILD, Professor HOWES, Assistant Professor WETMORE, Mr. HACK, and Mr. FERGUSON

Latin 1 *Livy* Book XXI and portions of Book XXII of Livy are read. The principles of Latin syntax are studied with the aim of connecting the first weeks of college instruction as closely as possible with that received in the preparatory schools. Constant reference is made to Lane's *Latin Grammar* in connection with the daily work. There is frequent practice in reading at sight. The history of Rome during the Punic Wars, including assignments for collateral reading, is an important part of the course.

Selections from Latin Poets Cicero The work of the second semester includes selections from the Latin Poets, in the edition published by Harvard University, and the *De Senectute* of Cicero, with sight reading from the *De Amicitia.*

Mackail's *Latin Literature* is used throughout the year.

Freshman required course

Three hours a week through the year

Professor WILD, Professor HOWES, Assistant Professor WETMORE, Mr. HACK, and Mr. FERGUSON

Latin 2 *Latin Comedy Roman Life* The primary aim in this course is to trace the development of Latin Comedy, and to study its spirit as shown in the plays of Plautus and Terence. The *Captivi* and the *Trinummus* of Plautus, and the *Adelphoe* of Terence are read carefully, and other plays are read wholly or in part, either at sight or as translated by the instructor, e. g. the *Menaechmi* and the *Amphitruo* of Plautus, and the *Phormio* of Terence. The contrast between the literary styles of Plautus and Terence is emphasized.

One exercise a week is devoted to the study of Roman life and customs, with illustration by means of lantern slides and other material.

The first semester

Professor WILD

Tacitus Horace The reading work of the second semester is divided between the works of Tacitus and the *Odes* of Horace.

In connection with the latter some attention is paid to the English lyric, involving the preparation of careful translations from the Latin and a comparison of the better known English versions. The student is encouraged to commit some of the famous passages to memory.

The course in Tacitus includes the entire *Agricola* and the first twenty-seven chapters of the *Germania*. Passages from the *Annals* are read at sight and there is collateral reading in the history of the Empire. If possible five or six of Horace's *Satires* are read during this part of the course.

The second semester

Professor HOWES and Assistant Professor WETMORE

Sophomore elective course; *Latin* 1 prerequisite
Four hours a week through the year

Professor WILD, Professor HOWES,
and Assistant Professor WETMORE

**Latin* 3 *Vergil* The object of this course is to give the student a thorough knowledge and a high appreciation of the works of Vergil. To this end the *Eclogues* and the first six books of the *Aeneid* are rapidly reviewed, while a series of lectures is being given on the life and times of Vergil, his motives, sources, art, and influence on later literatures, as well as on his so-called minor poems included in the *Appendix Vergiliana*, and the mediaeval conception of Vergil.

About two-thirds of the semester is devoted to reading the *Georgics* and the last six books of the *Aeneid*. The technical parts of the *Georgics* are entirely omitted, only the poetical episodes being read. The last six books of the *Aeneid* are read, partly by the entire class in regular assignments, and partly by individual assignments and reading at sight.

Early in the course a large number of topics for original investigation and criticism in connection with the student's daily reading are suggested. Every man is expected to select one of these topics and prepare a paper to be read before the class at the end of the course.

There is considerable reading at sight, chiefly in prose authors.

Senior and Junior elective course, open to all who have completed *Latin* 2, and to others with the consent of the instructor.

Three hours a week during the first semester

Assistant Professor WETMORE

***Latin* 4 *Catullus* and *Lucretius* The greater part of Catullus and the finer passages of Lucretius are read. The treatment of both poets is a literary one.

By way of variety, and to continue and increase the student's facility in reading Latin at sight, passages from other writers are read without preparation. Material from any source tending to throw light on the interpretation of Catullus and Lucretius is employed in this way.

Senior and Junior elective course, open to all who have completed *Latin* 2, and to others with the consent of the instructor

Three hours a week during the second semester

Professor WILD

**Latin* 5 *Roman Satire* In this course the *Satura* as a distinctively Roman product is treated in such a way as to show its rise and development through the dramatic and invective forms to the narrative form of the novel. The *Satires* of Horace and Juvenal, and the *Cena Trimalchionis* of Petronius, together with the *Cupid and Psyche* myth of Apuleius, comprise the main subjects for reading. The parts played in the history of Roman Satire by Ennius, Lucilius, and Varro are illustrated by the fragments of their works as given in Merrill's *Fragments of Roman Satire*. Much reading is done at sight.

Senior elective course, open to all who have completed *Latin* 3 or *Latin* 4, and, with the consent of the instructor, to those who have completed *Latin* 2

Three hours a week during the first semester

Professor WILD

***Latin* 6 *A Brief Survey of Latin Literature* It is the aim of this course to give a general survey of Latin literature from the earliest period down to the third or fourth century A. D. The plan involves (1) a reading of selected portions of the most important authors, especially those not included in the other courses, and (2) informal lectures upon the rise and development of the various forms of literature, with such notice of the authors and their works as shall help to assign them their place in literature.

Senior elective course, open to all who have completed *Latin* 3 or *Latin* 4, and, with the consent of the instructor, to those who have completed *Latin* 2

Three hours a week during the second semester

Professor HOWES

Latin Composition Bibliography To those who intend to become teachers of Latin, whether immediately or after work in graduate schools, there is open in connection with *Latin* 5 and *Latin* 6 an additional course of one hour a week in advanced Latin composition, and in the use of editions and books of reference.

Professor WILD

For *Roman History*, formerly *Latin* 7, see *History* 9.

PUBLIC SPEAKING AND ORATORY

Assistant Professor LEWIS

Public Speaking This course aims (1) to emphasize some of the fundamental principles of oral expression, and (2) to apply them to the delivery of the individual. The class is divided into small sections, each of which meets once a week for ten weeks. Clark and Blanchard's *Practical Public Speaking* is used. The choice of speakers for the prize contest in declamation is based on this work.

Freshman required course

**Oratory* 1 This course is intended to develop the delivery of the students. It includes (1) the practice of exercises for the development of the voice and body as expressive agents, and (2) practice in different forms of public speaking. The latter includes the rendering of original selections from memory, speaking from notes or outline, and impromptu speaking. A text-book is used.

Senior and Junior elective course

Three hours a week during the first semester

***Oratory* 2 This is a continuation of *Oratory* 1. It will offer advanced work in both technique and delivery. The structure and style of the oration considered—also its different forms. Each student writes at least three manuscripts of not less than eight hundred words each. A text-book is used.

Senior and Junior elective course; *Oratory* 1 prerequisite

Three hours a week during the second semester

There is offered during the winter, at hours to be announced, a course of training in voice and action, which is open to members of all classes. Hours are also offered to those who have defects in speech. Extended drill is given in all cases to speakers who compete in prize contests, and to those who are to appear on the Commencement platform.

ROMANCE LANGUAGES

Professor MORTON, Assistant Professor WESTON, Mr. A. L. CRU, Mr. J. N. CRU, Mr. A. R. ANGLES, and Mr. L. PERDRIAU

FRENCH

French 1 *Elementary French* This course includes the study of grammar and composition and the reading of modern French. The class is arranged in small divisions so that each student may receive individual attention and adequate training in pronunciation and the use of conversational French. Special attention is given to dictation.

Optional with *German* 1 for Freshmen in Group I who entered without a modern language Required of students in Groups III and V who do not offer *French* 1 for entrance; elective for all others

Three hours a week through the year

Assistant Professor WESTON

French 2 *Intermediate French* This course continues all the work of *French* 1. Standard authors are read and the history of French literature is given in outline. The use of the spoken language is increased.

Required of students in Groups III, IV, and V; elective for all others who have completed *French* 1

Three hours a week through the year

Professor MORTON

[*French* 3 *Advanced French* This course is devoted to the poetry and the drama of the first half of the nineteenth century, and includes reading, composition, and oral practice. The history of Romantic poetry and drama will be studied. This course is offered to Freshmen as *French* 3; to others as *French* 3A (in French), or *French* 3B (in English).

This course alternates with *French* 4 and is open to those who have completed *French* 2 or *French* 4. Required of Freshmen entering in Group II, elective for Seniors, Juniors, and Sophomores

Three hours a week through the year; four hours a week for Freshmen in Group II

Omitted in 1909-1910

Assistant Professor WESTON, Mr. J. NORTON CRU, and Mr. ALBERT CRU]

French 4 *Advanced French* This course is devoted to the French novel of the first half of the nineteenth century and includes reading, composition, and oral practice. The history of the Romantic novel is studied.

This course alternates with *French* 3 and is open to those who have taken *French* 2 or *French* 3. Required of Freshmen entering in Group II, elective for Seniors, Juniors, and Sophomores

Three hours a week through the year; four hours a week for Freshmen in Group II

This course is divided into three sections:

(1) *French* 4 (4 hours) for Freshmen entering in Group II

Professor MORTON and Assistant Professor WESTON

(2) *French* 4A (3 hours) conducted in French

Mr. J. N. CRU

(3) *French* 4B (3 hours) conducted in English

Assistant Professor WESTON

[*French* 5 *Modern French Literature* since the Romantic movement Lectures in French upon the various schools The course is conducted entirely in French. Outside reading is assigned.

Senior and Junior elective course, alternating with *French* 6

Open only to those who have completed *French* 3 or *French* 4 and who are able to follow a course carried on in French

Three hours a week through the year Further conference hours may be arranged with the class

Omitted 1909-1910

]

[*French* 6 *Classic French Literature* of the age of Louis XIV The course begins with the Renaissance and shows the development of classicism. Lectures in French upon the period The course is a study of the culture of the age of Louis XIV and the social conditions as expressed in its literature, and is conducted entirely in French. Outside reading is assigned.

Senior and Junior elective course, alternating with *French* 5

Open only to those who have completed *French* 3 or *French* 4 and who are able to follow a course carried on in French

Three hours a week through the year Further conference hours may be arranged with the class

Omitted 1909-1910

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DANTE

[*Dante* Reading of the *Divina Commedia* with the aid of a translation Enough grammar is studied to enable the student to follow the Italian text and understand the construction. The course is, however, devoted to the poem itself, both as a masterpiece of literature and as an exponent of the social, philosophical, and religious ideas of the middle ages.

Senior and Junior elective course alternating with *Spanish*

Three hours a week through the year

Omitted in 1909-1910

Professor MORTON]

SPANISH

[*Spanish* Elementary grammar and reading of classical and modern Spanish Reading of *Don Quixote* with Ormsby's translation The object of this course is to give a practical elementary training in Spanish and also to read as much as possible for the sake of a vocabulary. The reading is in standard works of literature.

The history of Spanish literature will be given in outline.

Elective course for Seniors, Juniors, and Sophomores, alternating with the course in Dante

Three hours a week through the year

Omitted 1909-1910

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PHILOSOPHY

ECONOMICS

Professor DROPPERS and Assistant Professor CLARK

Economics 1 *Introductory Economics* This course is a study of the leading principles of economic science with some applications to modern industrial conditions. Study of a text-book and of assigned collateral reading is the basis of the work. Discussion of this matter in class is supplemented by occasional lectures and by written tests.

This course is prerequisite for all economics courses except *Economics* 2.

Senior and Junior elective course

Three hours a week through the year

Professor DROPPERS and Assistant Professor CLARK

**Economics* 2 *Economic History* A study of the gradual development of the modern industrial world from the middle of the 18th to the end of the 19th century It comprises the great inventions in textile and iron industries, the applications of steam, railways, steamships, cotton culture, the factory system, banking and the rise of the modern industrial nations.

Assignments of reading on special topics

Senior and Junior elective course

Three hours a week during the first semester

Professor DROPPERS

***Economics* 3 *Corporations* A study of modern combinations of industry Historical development of modern industrials in the United States from the pool to the trust and holding company Forms of corporation securities Economic and social effects of great combinations Legislation in the United States and other countries and important legal decisions State and federal control Greene's *Corporation Finance*, and Ripley's *Trusts, Pools and Corporations* are used as text-books.

Senior and Junior elective course

Three hours a week during the second semester

Professor DROPPERS

**Economics* 4 *Money and Banking* A survey of the principles of money, especially in their relation to banking systems Dunbar's *History and Theory of Banking* and White's *Money and Banking* are used.

Senior elective course

Three hours a week during the first semester

Professor DROPPERS

***Economics* 5 *Public Finance* A study of the theories and methods of taxation and financial administration Adam's *Public Finance* is used as a text-book.

Senior elective course

Three hours a week during the second semester

Professor DROPPERS

GOVERNMENT AND POLITICAL SCIENCE

President GARFIELD and Assistant Professor DOUGHTY

**Government* 1 *The Constitution of the United States* This course consists of an examination of the theories and principles of government upon which is based the Constitution of the United States, as

those theories and principles are presented in *The Federalist*, which work is used as a text-book in the course.

Senior and Junior elective course

Three hours a week during the first semester

Assistant Professor DOUGHTY

***Government* 2 *Government in the United States* This is a study of general and local government in the United States. The governments of town, of county, of state, and of the United States, the relative efficiency of different local systems, and the nature and tendency of democratic and representative institutions are also the subjects of study.

The work consists of reading, lectures, discussions, and the preparation of written themes. Text-book and selected readings

Senior and Junior elective course; limited, with preference to Juniors

Three hours a week during the second semester

President GARFIELD

***Government* 3 *Jurisprudence* This course is a study of the theory and development of law, its sources and subject matter. The work consists of oral and written recitations, and lectures. Holland's *Elements of Jurisprudence* and Maine's *Ancient Law* are used as text-books.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor DOUGHTY

**Government* 4 *History of the Common Law of England* (*a*) This course is a study in outline of the Common Law as a system: its sources, subject matter, and principles. The work consists of recitations, oral and written, and lectures. Kerr's edition of Blackstone is used as a text-book.

Senior elective course

Three hours a week during the first semester

Assistant Professor DOUGHTY

***Government* 5 *History of the Common Law of England* (*b*) This course consists of a study of the processes of reasoning involved in the application of the general principles of the system, and the rules of any particular branch, to specific sets of facts. The work consists of lectures, class room discussions, and written exercises. There are assignments of reading on special topics.

Senior elective course; *Government* 4 prerequisite
Three hours a week during the second semester
Assistant Professor DOUGHTY

HISTORY

Professor GOODRICH, Professor SMITH, and
Assistant Professor COLLIER

**History* 1 *Mediaeval History* (375-1453) This course covers the field of general history from the Barbarian Invasions to the Renaissance. It is the fundamental course in the department and, with *History* 2, forms a prerequisite for all other courses in History; although open to members of the upper classes, it is intended primarily for Sophomores and it is desirable that it be taken in the Sophomore year.

The methods comprise a text-book, lectures, collateral reading, and frequent written tests.

Particular attention is given to the method of study and the use of materials by the student.

Sophomore elective course
Four hours a week during the first semester
Professor GOODRICH and Assistant Professor COLLIER

***History* 2 *Modern History* (1453-1713) This course is a continuation of the preceding one, carrying the history of Europe from the era of the Reformation to the treaty of Utrecht. Methods as in *History* 1

Sophomore elective course, open to those who have completed *History* 1
Four hours a week during the second semester
Professor GOODRICH and Assistant Professor COLLIER

History 3 *English Political and American Colonial History* (1603-1783) The political history of England from the beginning of the struggle between monarch and parliament under James I to the final failure of absolutism under George III, together with the rise of English colonial power, the development of a colonial system and the loss of the North American colonies

Senior and Junior elective course, open to those who have completed *History* 2
Three hours a week through the year
Professor SMITH

History 4 *United States History* (1776-1865) This course covers the development of the United States from a confederation of states, through the contests of parties and of sections, to the final victory of the Union in the Civil War.

Senior and Junior elective course, open to those who have completed *History* 2

Three hours a week through the year

Professor SMITH

History 5 *European History* (1740-1878) *Era of Political Revolution and Reconstruction* This course treats of the political development of the principal states of Europe from the accession of Frederick the Great to the Treaty of Berlin. Its main object is to prepare the student for an intelligent appreciation of existing political conditions in Europe. In the first semester special attention is given to the period of the French Revolution and the Napoleonic Empire; in the second semester, to the important constructive movements following the revolutons of 1848, concluding with a study of the main features of the constitutions of the principal states and a survey of international relations at the close of the nineteenth century.

Senior and Junior elective course, open to those who have completed *History* 2

Three hours a week through the year

Professor GOODRICH

**History* 6 *Recent United States History* (1865-1908)

This course continues the history of the United States from the close of the Civil War to the election of 1908, covering the Reconstruction period, the reorganization of parties, the rise of the Currency and Tariff contests, the Expansion episode and the more recent return to internal political questions. It is similar in scope to *History* 4, but being given to Seniors who have completed that course, it is somewhat more advanced in character, throwing greater emphasis upon the thesis and less upon class-room tests. The methods also include lectures, reading and discussion as in *History* 4.

Senior elective course; *History* 4 prerequisite

Three hours a week during the first semester

Professor SMITH

***History* 7 *English History* (1783-1901) This course is a continuation of the field of *History* 3, carrying the history of England from the ministry of the younger Pitt through the Tory supremacy, the reform struggles, the development of the modern parties, the establishment of the British colonial empire, the Home Rule contest and the recent era of expansion in Asia and Africa. The emphasis is laid, in this course, upon the domestic and the colonial development of Great Britain, leaving the study of England's share in Continental diplomacy to *History* 5.

Senior elective course; *History* 3, 4 or 5 prerequisite
Three hours a week during the second semester

Professor SMITH

****History 9** ***Roman History during the Revolution and the Empire*** The economic, social, political, and military history of the Roman world from the age of the Gracchi to that of Theodosius. Reading, lectures, quizzes, and written work

Consultation of the Latin sources is encouraged but not required. Special instruction is offered, if desired, to prospective teachers, or to any students wishing to attempt some original investigation. But the course aims primarily, while not neglecting great personalities, to survey for the general student of history or of the classics the Roman foundations of European civilization.

This course may be counted for major work or honors in either History or Latin.

Senior and Junior elective course

Latin 1 and *History* 2 are prerequisite to this course, or must be taken with it.

Three hours a week during the second semester

Assistant Professor CLARK

HISTORY OF ART AND CIVILIZATION

Professor RICE

Art 1** ***Art and Civilization of Antiquity This course follows the development of the arts of design in Egypt, Greece and Rome, to their outcome in Byzantine and Moslem forms. It aims to show the organic connection of all these successive forms which constitute the basis of mediaeval and modern styles.

The instruction in all the courses is given by lectures and practical exercises, aided by lantern views, charts and photographs.

Senior and Junior elective course limited to eighteen men

Three hours a week during the first semester

Fee, $3, to cover cost of material used

****Art 2** ***Art and Civilization of the Middle Age*** This course continues the study of the arts of design as expressed mainly in architecture and sculpture during the Middle Age. It traces the outcome of Roman and Byzantine art in the monastic and cathedral churches of Western Europe.

Senior and Junior elective course limited to eighteen men; *Art* 1 prerequisite

Three hours a week during the second semester
Fee, $3, to cover cost of material used

**Art* 3 *Art and Civilization of the Renascence* The aim of this course is to show how the arts of design are the expression of that revival of the study of classic antiquity and of nature which is called the Renascence. It deals with the sculpture, painting and architecture of Western Europe during the 15th and 16th centuries.

Senior and Junior elective course limited to eighteen men
Three hours a week during the first semester
Fee, $3, to cover cost of material used

***Art* 4 *Modern Art* This course continues the study of the arts of design from the period of the Renascence to the modern schools, mainly in painting, graphic art, sculpture and ceramics. The art of the East is also studied for its value in comparison with and influence on the art of the West. The works of eminent artists are analyzed, the aim being to give the student the basis of an intelligent appreciation of each important school of art.

Senior and Junior elective course limited to eighteen men
Three hours a week during the second semester
Fee, $3, to cover cost of material used

PHILOSOPHY

Professor RUSSELL, Dr. CARTER, Assistant Professor PRATT, and Dr. WARBEKE

**Philosophy* 1 *Elementary Psychology* The aim of this course is to give a general view of the nature of mind, by text book, lectures and discussions. The class is divided into three divisions, division I to be conducted by Professor Russell, divisions II and III by Assistant Professor Pratt. In each division Dr. Warbeke assists with a certain number of lectures.

Senior and Junior elective course
Three hours a week during the first semester
Professor RUSSELL, Assistant Professor PRATT, and Dr. WARBEKE

***Philosophy* 2 *The Psychology of Religion* The more important phenomena of religion are studied from the psychological point of view—such as the development of religion in the individual, belief, conversion, revivals, prayer, mysticism, etc. Lectures, assigned reading, and original research by the students

Senior and Junior elective course, *Philosophy* 1 prerequisite
Three hours a week during the second semester
Assistant Professor PRATT

**Philosophy* 3 *Introduction to Philosophy* This course is conducted by Professor Russell and Assistant Professor Pratt, each having charge of one division. The divisions are designated *Philosophy* 3-I and *Philosophy* 3-II. Professor Russell conducts the study to be known as *Philosophy* 3-I; and this study is an examination of those doctrines and beliefs which are technically called philosophy, chief prominence being given to the great problems of knowledge, duty, and faith. The aim of this study is to enable the student to gain such knowledge of these subjects as a man of collegiate education may reasonably be expected to possess; and to awaken an intelligent interest in those subjects which no man who will live a rational life will ignore. The method of this study is the following: There are two lectures each week; these are supplemented by assigned reading, designed to cover the subjects discussed in the lectures; one hour a week is given to informal discussion, and to papers presented by the students upon topics either assigned or of their own selection.

**Philosophy* 3-II This is conducted by Assistant Professor Pratt, and differs from *Philosophy* 3-I in method rather than in content. No text book is used and there are no lectures, but the class seeks to build up its own conclusions on the chief problems of philosophy by means of informal discussion. Numerous and very brief papers are written by each student, to be based sometimes on assigned reading, but usually on his own independent thought. A thesis of some length is required at the end of the course.

Senior and Junior elective course
Three hours a week during the first semester
Professor RUSSELL and Assistant Professor PRATT

**Philosophy* 4 *History of Ancient and Mediaeval Philosophy* The aim of this course is to treat the evolution of thought principally from the point of view of modern problems and scientific methods, thus making the course a systematic introduction to the ultimate problems of the mind. Lectures, and informal discussions by the students The principal text is Bakewell's *Source Book in Ancient Philosophy.*

Senior and Junior elective course
Three hours a week during the first semester
Dr. WARBEKE

**Philosophy* 5 *Logic* The study indicated is to be entirely practical. Logical laws and principles are to be discovered and verified by the study of the actual ways in which men think and reason in matters of common life and in science.

Senior and Junior elective course

Three hours a week during the first semester

Professor RUSSELL

***Philosophy* 6 *History of Religion* The more important ideas and institutions of the religion of primitive people are first be considered, after which the religions of Egypt, India, Persia, Israel, Islam, Greece, and Rome are taken up in some detail. The instruction is by lectures, with short quizzes, a considerable amount of required reading from the Sacred Books, and numerous reports upon them. In addition to this each student chooses some topic for independent investigation and writes a thesis of some length upon it.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor PRATT

***Philosophy* 7 *Ethics* Paulsen's *System of Ethics* is used; but its use is largely supplemented by the use of other authorities, and by lectures and papers upon special topics.

Senior and Junior elective course

Three hours a week during the second semester

Professor RUSSELL

***Philosophy* 8 *History of Modern Philosophy* This is a continuation of *Philosophy* 4, but either course may be taken separately. Rogers's *Students' History of Philosophy* is used as a text, supplemented by assigned reading from the leading modern philosophers, and lectures on the more difficult questions, with occasional papers and much informal discussion.

Senior and Junior elective course

Three hours a week during the second semester

Assistant Professor PRATT

***Philosophy* 9 *Abnormal Psychology* This course will be a study of the more important and interesting forms of abnormal mental states, such as hypnosis, trance, double personality, and telepathic phenomena. The study is conducted by lectures and by papers upon topics assigned for special study.

Senior and Junior elective course; *Philosophy* 1 prerequisite

Three hours a week during the second semester

Professor RUSSELL

*Philosophy 10 *Theism* In this course considerations are presented which lead to the acceptance of belief in a supreme personal God. The argument as developed in Bowne's *Theism* is followed and parts of other text-books are made subjects of discussion.

Religion as a factor in the history of the race and as represented in various faiths is considered and the objections to Theism examined. The course is not specially intended for theological students, but rather to awaken interest, quicken thought, and secure intelligence on the most important question of human life.

Senior elective course

Four hours a week until Christmas

Dr. CARTER

SCIENCES

ASTRONOMY

Professor MILHAM

Astronomy 1 This course is divided into two parts, descriptive astronomy and an introduction to spherical and practical astronomy. In the descriptive astronomy a text-book, Young's *Manual of Astronomy*, is used as the basis of instruction. Numerous supplementary lectures are given and the course is illustrated by charts and photographs. Such topics as the time service of the country, the origin of our calendar, the presence of an atmosphere in the case of the moon and the planets, and the cosmogony, are treated at length. During the second part of the course lectures on modern observatories, their location, equipment, and work, are given. Experimental demonstration and practical exercises in the observatory constitute a large part of the instruction during the last part of the second semester.

Senior and Junior elective course; *Mathematics* 1 prerequisite

Three hours a week through the year

**Astronomy* 2 One of the following semester courses will be given. The course in surveying is the one ordinarily given, but one of the other courses will be substituted if a sufficient number of students desire it.

(a) *Surveying* Such topics as the theory and use of surveying instruments, land surveying, leveling, and determination of heights by triangulation and by means of the barometer, are treated. *Mathematics* 1 is prerequisite.

(b) *Practical Astronomy* This consists of spherical trigonometry, practical exercises in the observatory, and the reduction of the observations. *Mathematics* 1 and *Astronomy* 1 are required.

(c) *Theoretical Astronomy* This is an introduction to celestial Mechanics and is open only to those who have completed *Mathematics* 3.

Senior and Junior elective course

Three hours a week during the second semester

**Meteorology* The equipment of the stations of the United States Weather Bureau and scientific weather prediction are very fully treated. The text-book, Davis's *Elementary Meteorology*, is supplemented by numerous lectures and practical work on meteorological statistics and in making weather forecasts.

Senior and Junior elective course

Open to those who have completed *Physics* 1

Three hours a week during the first semester

BIOLOGY

Professor CLARKE, Professor KELLOGG, and Mr. PACKARD

***Biology* 1 The fundamental facts and principles of the science of life are presented in this course. It treats of the order of nature and of the laws of nature. It gives the student a knowledge of the properties and powers, and what contributes to the successful action of, and what are the chief sources of danger to, the living material of which he is composed, through which he does his life work. It deals with the structure of living matter, its possible origin, and its relation to non-living matter.

A typical plant and an animal are studied to illustrate the way in which the two great groups solve the problem of maintaining life, their relations to each other and to their surroundings. As the highest form of living matter, man is studied in his relations to, and his dependence on, other forms of life, and with regard to the meaning and origin of his structure. An outline is given of the evidences of the evolution of life, of mutual aid and associated life among animals, and their possible significance. The object of the course is to make a man intelligent regarding himself, and his fundamental relations to his environment; to set before him the relations of this knowledge to other knowledge, and by this broad view gain a larger appreciation of, and a more generous sympathy with, many of the great interests and resources of human life.

While this course is complete in itself it furnishes a broad foundation of value to one who takes further work in biology.

Lectures, with written recitations, and occasional laboratory work
Sophomore elective course
Four hours a week during the second semester

Professor CLARKE

Biology 2 The year's work includes two subjects:

(*a*) *Zoology of the Invertebrata* This part of the course extends from September to about the last of March. Instruction is by means of lectures, recitations, and laboratory work. The structure and functions of several single-celled organisms are studied in the laboratory by means of the microscope. Among the many-celled forms examined are sponges, fresh-water hydras, marine hydroids, the star-fish, sea-urchins, worms, crayfish, grasshopper, fresh-water and marine bivalves, and the squid. The object of this work is chiefly to demonstrate the *meanings* of homologies and adaptations, and to afford an appreciation of the value of the data employed in inductions considered later in the course. Laboratory work is recorded by each student in simple outline drawings.

(*b*) *Theories of Biology* The remainder of the year is given to a series of lectures, with recitations, on the general problems of biology. Laboratory work in *a* is continued during this period.

The course considers the views of the early Transmutationists, of Lamarck, Erasmus Darwin and others, and enters fully into a discussion of the theory of natural selection of Darwin and Wallace, on which the science of biology is founded. Attention is given to the early criticisms of the theory, and more particularly to recent observations that tend to limit it as a universal explanation of the structural and functional peculiarities of organisms.

Among the subjects to be discussed are the meaning of the term species, the multiplication of organisms and the struggle for existence, variation among individuals, the meaning of color and peculiar structural modifications among animals and plants, heredity, natural selection and the development of the mental faculties, natural selection and morals, and the influence of the scientific method on modern thought.

Senior and Junior elective course
Three exercises a week through the year
Fee, $10

Professor KELLOGG

Biology 3 A continuation of *Biology* 2

(*a*) *Zoology of the Chordata* As in the Zoology of the Invertebrata, instruction is by means of lectures, recitations, and laboratory work. The fishes, amphibia, reptiles, birds, and mammals are studied comparatively by means of dissections in the laboratory.

(*b*) *Embryology* The second semester is given to a study of the development of starfish, worm, frog, chick, and mammal. In the first three forms special attention is given to the early stages which follow fertilization. The work on the chick is outlined by a text-book, and followed in the laboratory by means of preparations, some of which are to be made by the student. It covers the development from the beginning of incubation to a stage in which the more important organs of the body have appeared. Mammalian development is compared with that of the chick, which it closely resembles, but is studied in the laboratory only by means of models and demonstration preparations.

Senior elective course; *Biology* 2 prerequisite
Three exercises a week through the year
Fee, $10

Professor KELLOGG

***Biology* 4 *Sanitary and Experimental Biology* The first part of the course is devoted to a general survey of the methods of applied biology, especially in the examination of waters and water-supplies. The Sedgwick-Rafter method is employed chiefly. The geographical and seasonal distribution of microscopic organisms in ponds and lakes, odors in water supplies, and the growth of organisms in water-pipes are among the topics discussed. A microscopical examination of selected samples of water is made, affording familiarity with the more common algæ (lower plants), protozoa, rotifera, crustacea, etc., found in drink-waters; the results are interpreted in the light of environmental studies. The relation of protozoa to disease is considered at some length. In the problem of safeguarding human life in any community, the securing and maintaining of a pure water-supply is one of the most important factors, and in order to accomplish this it is necessary to have, not only the physician and sanitary engineer who can tell when water is impure and how to purify it, but also the citizen who knows what to vote for and who can be a center of intelligent influence in society.

The latter part of the course considers the recent trend of biological investigation along experimental lines, indicating the more important results in the study of growth and regeneration, reactions to stimuli, development, inheritance, etc.

Senior and Junior elective course; *Biology* 1, or the first semester of *Biology* 2 prerequisite

Three exercises a week during the second semester There usually will be two lectures of one hour each, and one laboratory period of two hours.

Mr. PACKARD

**Botany* 1 There are three main divisions of the work.

First A study of the mechanism and activities of one of the highest plants, intended to give one a clear understanding of the mode of life of this half of the world of living things. This furnishes the essential basis for all further work in botany.

Second The main factors of the environment of the plant world and their influence upon it. This is treated in regard to:

(*a*) The Physical Factors

(*b*) The Climatic Factors

(*c*) The Biotic or Living Factors

Third A study of plants in groups or communities, their migration, and the principles of Forestry.

(*a*) Vegetation Types and Plant Migration

(*b*) Plant Formations or Dominant Regional Types

(*c*) Forest Societies, including a resume of the principles of forestry, and what forestry has accomplished since its first discussion some two thousand years ago

Lectures, laboratory work, and text-book

Senior and Junior elective course

Three exercises a week during the first semester

Professor CLARKE

***Botany* 2 A continuation of *Botany* 1, but an independent course

The Evolution of Plants Types of all the plant groups from the simplest to the most highly organized are studied; their structure and life history receiving especial attention. This is made the basis for a consideration of the process of evolution in the plant world, and will include such general subjects as the origin of sex, the origin of the seed plants and its significance to man, the origin of the coal beds.

Senior and Junior elective course

Three exercises a week during the second semester

Professor CLARKE

CHEMISTRY

Professor MEARS, Dr. BRAINERD MEARS, and Mr. COLEMAN

**Chemistry* 1 *General Chemistry* The principles of chemistry are studied in connection with the non-metals and their compounds. This course is given by experimental lectures, supplemented by recitations and practical work in the laboratory.

Sophomore elective course

Four hours a week during the first semester

Fee, $3

***Chemistry* 2 *Metallic Chemistry and Qualitative Analysis* A course of lectures will be given on the occurrence, properties, and uses of the metals and their compounds.

Most of the time is devoted to qualitative analysis in the laboratory. This work includes the reactions of the principal bases and acids, their detection and separation. About 100 solutions and 100 solid substances are analyzed during the course, including about 50 minerals. This course is a continuation of *Chemistry* 1.

Sophomore elective course, limited to 50 men; *Chemistry* 1 prerequisite

Five periods a week of two hours each during the second semester

Fee, $10

**Chemistry* 3 *Quantitative Analysis* This course embraces the quantitative determination and separation of the principal bases and acids. Both gravimetric and volumetric methods are employed.

Senior and Junior elective course; *Chemistry* 2 prerequisite

Three exercises a week of two hours each during the first semester

Fee, $10

***Chemistry* 4 *Organic Chemistry* Lectures on the compounds of carbon, including the history of chemistry and its development to the present time.

This course completes the work begun in *Chemistry* 1 and continued in *Chemistry* 2.

Senior and Junior elective course; *Chemistry* 2 prerequisite

Three hours a week during the second semester

**Chemistry* 5 *Advanced Organic Chemistry* This course is a continuation of the work begun in *Chemistry* 4. The principles of organic chemistry are applied to the preparation of organic compounds in the laboratory with a discussion of the reactions involved. Gattermann's book on organic preparations is used.

Senior and Junior elective course; *Chemistry* 4 prerequisite
Three exercises a week of two hours during the first semester
Fee, $5

Dr. BRAINERD MEARS

****Chemistry* 6 *Physical and Advanced Inorganic Chemistry*** This course consists of lectures on the modern theories of physical chemistry together with experimental work in the laboratory. A course is also given in the preparation of inorganic compounds with a discussion of the reactions involved.

For those who prefer it, a parallel course in physiological chemistry may be offered.

Senior and Junior elective course; *Chemistry* 4 prerequisite
Three periods a week of two hours each during the second semester
Fee, $5

Dr. BRAINERD MEARS

GEOLOGY AND MINERALOGY

Professor CLELAND and Mr. CORWIN

General Geology The purpose of the courses in General Geology, *Geology* 1 and *Geology* 2, is to give the student such a knowledge of the principles of Geology that he may be able to understand what he sees of the earth's surface,—to know what force or forces have produced this feature of the landscape and what that feature. A study is also made of the forces themselves, such as for example, glaciers, volcanoes, earthquakes, erosion. Some time is spent on a study of the life of the past,—not only in a description of the animals that lived in the various periods of the earth's history but also of the changes that took place in their structure and habits and, as far as possible, the causes that produced these changes.

***Geology* 1** During the first semester that portion of the subject included in (a) Dynamical Geology, which deals with the forces that have shaped, and are now shaping the earth's surface, such as weathering and erosion, glaciers, volcanoes, earthquakes, etc. is studied.

(b) Structural Geology (with the exception of ore deposits which will be considered in the second semester). In this division of the subject the structure of the earth's crust and the more important rocks and minerals of which it is composed are studied.

Excursions in the vicinity of Williamstown, as well as one or two to some distance, are taken.

Senior and Junior elective course; *Chemistry* 1 prerequisite, or with *Chemistry* 1

Three hours a week during the first semester

***Geology* 2 In the second semester the origin and occurence of ores are first studied. This is followed by the major work of the semester, the study of Historical Geology. The animals of the past as shown by their fossil remains are discussed particularly with regard to their bearings upon the theory of evolution. The fossils in the collections and a number of casts, together with a large collection of lantern slides of restorations, are used in illustration.

Excursions in the vicinity of Williamstown, as well as one or two to some distance, are taken.

Senior and Junior elective course; *Geology* 1 prerequisite

Three hours a week during the second semester

**Geology* 3 *Advanced Geology* Beginning with a more detailed study of those subjects which are essential to the understanding of Economic Geology, the aim of the course is to afford the student a practical knowledge of the mineral products of the United States, such as coal, gypsum, salt, iron, lead, copper, gold. Special attention is paid to the origin of the various deposits studied with especial reference to the general principles governing the deposition and occurrence of each economic product discussed.

Senior and Junior elective course; *Geology* 1 prerequsite.

Three hours a week during the first semester

***Geology* 4 *Mineralogy* The purpose of this study is to give the student the ability to determine the commoner minerals by tests tried in the field or with chemicals that can easily be purchased. To accomplish this object attention is given to the identification of minerals by their physical properties as well as by blow-pipe and chemical tests. A brief course in crystallography is given throughout the semester accompanying the identification of the minerals.

This course is designed for students who plan to take advanced work in Chemistry, Architecture, Geology, and Mining.

Moses and Parsons's *Mineralogy and Blow-pipe Analysis* is used. A laboratory fee of $3.00 is charged.

Senior and Junior elective course; *Chemistry* 2 or *Geology* 1 prerequisite

Three exercises a week during the second semester

***Geology* 5 *Physical and Commercial Geography* The purpose of this course is to give the student a general knowledge of the Geology, Geography and physical features of the countries of North

and South America and Europe (as far as time will allow), together with their climates and the conditions that produce them. The natural resources, such as mineral wealth and agricultural and manufactured products, are discussed as fully as time will permit. In the study of the United States the influence of Geography and Geology on American History is especially emphasized.

The course consists of lectures, assigned readings and papers.

Senior elective course

Three hours a week during the second semester

MATHEMATICS

Professor FERRY, Associate Professor HARDY, Assistant Professor GRIFFIN, Dr. ATCHISON, and Mr. MORRILL

Mathematics 1 *Algebra, Solid Geometry, Plane Trigonometry, and Surveying*

Advanced Algebra Binomial theorem, logarithms, permutations, combinations, method of undetermined coefficients, determinants, theory of equations, etc. Hawkes's *Advanced Algebra* is used as a text-book.

Solid Geometry Books VI, VII, and VIII of Wentworth's *New Plane and Solid Geometry*, together with original propositions and numerical problems

Plane Trigonometry The trigonometric functions, trigonometric analysis, solutions of right and oblique triangles, etc. Phillips and Strong's *Elements of Trigonometry* is the text-book used.

Field Work in Surveying The practical use of instruments, including determination of heights, simple triangulation, measurement of areas, and leveling This portion of the course is optional.

Freshman required course

Four hours a week through the year

Professor FERRY, Associate Professor HARDY, Assistant Professor GRIFFIN, Dr. ATCHISON, and Mr. MORRILL

Mathematics 2 *Analytic Geometry and Differential Calculus*

Analytic Geometry Plane analytic geometry; the straight line, circle, parabola, ellipse, and hyperbola; with an introduction to analytic geometry of three dimensions Wentworth's *Analytic Geometry* is the text-book used.

The first semester

Professor FERRY and Assistant Professor GRIFFIN

Differential Calculus Methods of differentiation, expansion of functions into series, indeterminate forms, the simpler applications to mechanics and to the theory of plane curves, etc. Granville's *Calculus* is the text-book used.

The second semester

Associate Professor HARDY, Assistant Professor GRIFFIN, and Dr. ATCHISON

Sophomore elective course, required of Freshmen in admission Groups IV and V; *Mathematics* 1 prerequisite

Four hours a week through the year

Mathematics 3 *Differential and Integral Calculus*

Integral Calculus Derivation and application of the fundamental formulas of integration; applications of the integral calculus to the determination of lengths of curves, areas and volumes, mean values, moments of inertia, etc., based on Granville's *Calculus*

The first semester

Differential and Integral Calculus This course during the second semester is a continuation of the work of *Mathematics* 2 and of the first half of *Mathematics* 3. Numerous applications of the differential and integral calculus are considered. The work is based on Granville's *Calculus*.

The second semester

Senior and Junior elective course; open also to Sophomores in Groups IV and V; *Mathematics* 2 prerequisite

Three hours a week through the year

Associate Professor HARDY

**Mathematics* 4 *Descriptive Geometry*

This course is an introduction to descriptive geometry and the elements of mechanical drawing. Randall's *Descriptive Geometry* is used as a text-book.

Senior and Junior elective course; *Mathematics* 1 prerequisite

Three hours a week during the first semester

Associate Professor HARDY

***Mathematics* 5 *Descriptive Geometry* This course is a continuation of *Mathematics* 4.

Senior and Junior elective course; *Mathematics* 4 prerequisite

Three hours a week during the second semester

Associate Professor HARDY

**Mathematics* 6 *Differential Equations* Methods of solution of the simpler forms of differential equations, applications to many problems of mathematical physics, etc.; based on Murray's *Differential Equations*.

Senior and Junior elective course; *Mathematics* 3 prerequisite

Three hours a week during the first semester

Dr. ATCHISON

***Mathematics* 7 *Modern Methods in Analytic Geometry* Abridged notation, line co-ordinates, harmonic division, projection, etc., with many applications Lectures, with references to Salmon's *Conic Sections* and other works

Senior and Junior elective course; *Mathematics* 2 prerequisite

Three hours a week during the second semester

Professor FERRY

PHYSICS

Professor MCELFRESH and Mr. HARRINGTON

**Physics* 1 *General Physics* This course deals with the elementary facts and principles of physics and with the applications of physical laws to the experiences and phenomena of daily life. It includes elementary mechanics, sound, heat, light, magnetism and electricity.

Sophomore elective course

Four exercises a week during the first semester; these are lectures and recitations (three hours a week) and laboratory work (one two-hour exercise a week). For lectures and recitations the class meets in two divisions; Division I meets in the hours of group a, Division II meets in the hours of group b. For laboratory work the class is divided into smaller divisions; two-hour periods to be assigned for this work, to fit individual schedules.

Fee, $3

***Physics* 2 *Experimental Physics* Mechanics, sound, heat, light, magnetism and electricity. This course consists of a series of physical measurements in the laboratory, accompanied by lectures. The lectures deal with the methods and principles involved in the laboratory work and also discuss certain physical problems which do not readily lend themselves to laboratory experimentation. In the laboratory work high-grade instruments of precision are employed and the course is expected to give some skill in accurate measurement. The primary object of the laboratory work is to enable the student to familiarize himself with physical phenomena by direct personal observation.

Sophomore elective course; *Physics* 1 prerequisite

Five exercises a week during the second semester; lectures and recitations (two hours a week), and laboratory work (three two-hour periods a week) For lectures and recitations the class meets on Tuesday at 3 and Friday at 10 (group i, except Wednesday). For laboratory work the class meets in three divisions; Division I uses the hours of groups a and b; Division II uses the hours of groups d and e; Division III uses the hours of groups g and h.

Fee, $10

Physics 3 One of the following sub-courses is given each year. For the year 1909-1910 the course is (*a*).

(*a*) *Electrical Measurements and Practical Applications of Electricity* This course consists of lectures and laboratory work and includes a study of the magnetic properties of iron and steel, of direct and alternating current phenomena, and of their practical illustration in dynamo-electric machinery.

(*b*) *Heat and Light* A study of the elements of thermodynamics and physical optics Lectures and reading with occasional laboratory work.

Senior and Junior elective course; *Physics* 2 prerequisite

Three exercises a week through the year; lectures and recitations (two hours a week), and laboratory work (one two-hour period a week) The course uses the hours of groups j and k

Fee, $10

**Physics* 4 *Experimental Mechanics* The general principles of mechanics of solids; statics and kinetics of rigid bodies Lectures, problems and laboratory work

Senior and Junior elective course; *Mathematics* 2 and *Physics* 1 prerequisite

Three exercises a week during the first semester, using the hours of group l Hours for laboratory work to be arranged, one two-hour laboratory period taking the place of one of the three hours

***Physics* 5 *Experimental Mechanics* A continuation of *Physics* 4 Elasticity of solids, liquids and gases Statics and kinetics of liquids and gases

Senior and Junior elective course; *Physics* 4 prerequisite

Three exercises a week during the second semester, using the hours of group l Hours for laboratory work to be arranged, as in *Physics* 4

PHYSIOLOGY AND HYGIENE

Professor HOWARD

**Hygiene* A series of lectures and recitations on the preservation of health The lectures are designed to acquaint the student with the causes of disease, to point out the conditions of healthy living, and to inculcate those habits that promote physical efficiency. In several lectures attention is given to the problems of public health, especially those of safeguarding the food-supply and stamping out communicable disease.

Fitz's *Physiology and Hygiene* is used as a text-book.

Freshman required course

One hour a week through the first semester

Shortly after the opening of college in the fall, each new student is given a physical examination the objects of which are to discover any existing defects of the heart, lungs, eyes or muscular development, and to prescribe proper measures for their correction. Particular attention is given to the fitness of candidates for the athletic teams.

**Physiology* 1 An elementary study of the mechanism of life Attention is centered chiefly on the structure and function of the human body, but the facts of general physiology are constantly employed to throw light on the special problems of human physiology. The physical and chemical features of the material basis of life are discussed first. Following this there is a brief survey of cell physiology. Subsequently the neuro-muscular mechanism, the central nervous system, and the organs of sensation are studied. As far as time and the nature of the subject permit the facts of physiology are demonstrated to the class, and the discussions are based as far as possible on these observed phenomena. Schenck and Gürber's *Human Physiology* is used, supplemented by reading of references in the manuals and periodicals of the science.

Chemistry 1, *Physics* 1, and *Biology* 1 are recommended, though not required as preparatory to this course.

Senior and Junior elective course

Three hours a week during the first semester

***Physiology* 2 This course continues the study of Physiology on lines identical with those followed in *Physiology* 1. Nourishment will be the central topic. Under this head are studied alimentation, respiration, circulation, metabolism, etc.

Senior and Junior elective course; *Physiology* 1 or *Biology* 2 prerequisite

Three hours a week during the second semester

PHYSICAL TRAINING

Mr. SEELEY

Exercises consisting of marching, calisthenics, and light gymnastics with wands, clubs, chest-weights, and dumb-bells

Freshman required course

Three forty-five minute periods a week until Easter

Elective work in the gymnasium is offered to the other classes.

[In connection with this work a course of lectures on Hygiene is given in the fall by Professor Howard. See the announcement of Hygiene and Physiology.]

GENERAL INFORMATION

ORDER AND DISCIPLINE

It is the aim of the college to develop in the individual student the sense of personal responsibility for good order and a high standard of scholarship, and to secure, in the largest measure, his coöperation with the Faculty in the development of his own character. But if such coöperation is plainly impossible, a student may be dismissed from college, even without previous warning.

HONOR SYSTEM

All college examinations are conducted under an honor system, established in 1896, by which the presence of proctors in the examination room is dispensed with and each student is placed on his honor. The following declaration is necessary to make any examination or other work written on paper in the classroom valid: *I have neither given nor received aid in this examination.*

All cases of suspected fraud are dealt with by a committee of ten students, including representatives from each class, who have the power to decide on the question of guilt and to recommend to the Faculty the penalty of dismissal from college in the case of a Senior, Junior, or Sophomore, and of suspension in the case of a Freshman.

REGISTRATION

All students are required to register at the Dean's Office on Tuesday, Wednesday, or the morning of Thursday at the beginning of the college year and again, as occasion may demand, shortly before the beginning of the second semester. For unexcused delay in registration a fee of five dollars is imposed.

ATTENDANCE ON COLLEGE EXERCISES

Attendance on nine-tenths of the exercises in each course is required of Seniors, Juniors, and Sophomores, and attendance on nineteen-twentieths of the exercises in each course is required of Freshmen. If a student fail for any cause to meet this requirement of attendance on secular exercises, work additional to that done by the class will be assigned in some department or departments of study in which the failure has occurred. This assignment of extra work will be made by a committee of the Faculty in consultation with the instructor, and will be announced at the end of the semester.

Each student is allowed to be absent from the Sunday morning service twice and from the morning prayers and Sunday afternoon service combined eighteen times each semester.

The regulation of attendance on both the secular and the religious exercises is entrusted to the Dean. He is authorized to establish such rules for attendance on the religious exercises of the college as he may deem necessary, and to place on probation any student who fails to meet these requirements, or whose attendance on recitations and lectures is especially irregular. If a student does not comply with the conditions of the probation, the Dean may dismiss him from college; but any student thus dismissed has the right of an appeal through the Dean to the Committee on Administration.

COMPLETION OF COURSES

A course will be considered satisfactorily completed for any semester when the student has obtained a grade not lower than D in the daily work (which shall include all oral and written exercises prior to the semi-annual examination), and grades not lower than D in the semi-annual and extra-work examinations. A student failing to obtain

a grade of at least D in the daily work must repeat the course with a subsequent class or take, in the case of an elective, an equivalent course. A student failing to obtain a grade of D in the semi-annual examination will be allowed two further opportunities to pass that examination; if unsuccessful in both of these, he will be required to repeat the course with a subsequent class or take, in the case of an elective, an equivalent course. For requirements for graduation, see pp. 51, 52.

DEGREES

Bachelor of Arts—The Degree of Bachelor of Arts is conferred by vote of the Trustees at the annual Commencement upon students who have completed the requirements as to courses, hours, and grades to the satisfaction of the Faculty (see pp. 51, 52), have paid their dues to the Treasurer, and have returned all books belonging to the library; but the degree may be forfeited by misconduct at any time previous to the close of the Commencement exercises.

Master of Arts—The degree of Master of Arts is conferred upon Bachelors of Williams College of at least one year's standing who, having spent one year in residence at the college, pursuing two approved courses of study as explained below, have passed a satisfactory examination in each subject, and have submitted a satisfactory thesis.

The degree is conferred upon Bachelors of Williams College who have spent one year in residence at any academic institution, pursuing two approved courses as below, provided that none of the work taken for the degree be used in fulfilment of the requirements for degrees elsewhere, and having been registered for the Master's degree for not less than one college year, have fulfilled the conditions as to examinations and thesis.

The degree is conferred upon Bachelors of Williams College who, not having been in residence, but having been

registered as candidates for the degree not less than two years, have fulfilled the conditions as to courses, examinations, and thesis.

Undergraduates of Williams College who at the beginning of their Senior year require not more than eight semester hours to complete the requirements for the Bachelor's degree may apply the remainder of their allowed semester hours toward the Master's degree, receiving the same one year after graduation, provided that they have satisfied the conditions as to courses, examinations, and thesis.

The degree is conferred upon Bachelors of other colleges conferring the Bachelor's degree under conditions equivalent to those required at this college, provided that the approved courses are pursued in residence at Williams College under the specified conditions as to time, examinations, and thesis.

Each candidate must submit two courses of study, which together shall be equivalent to the work of a fifth college year. Of these courses, one, to be known as the major course, must be equivalent to at least twenty semester hours, and the other, to be known as the minor course, must be equivalent to at least ten semester hours.

Each candidate will outline his courses under the direction of the heads of the departments interested and the Committee on Graduate Students, who together shall be empowered to decide whether the candidate may pursue certain advanced undergraduate courses as part of the work leading to the degree.

Candidates for the Master's degree are required to pass their examinations with at least a B grade.

The thesis required of each candidate must treat a subject related to the major course. It must be submitted not later than May fifteenth of the year in which the candidate desires to be examined, and must meet the approval of the professor to whose department it is related and of the Committee on Graduate Students. A copy of the

thesis, printed or typewritten on paper of the size generally used in a typewriter, must be deposited in the College Library.

Each candidate must file his registration with the Chairman of the Committee on Graduate Students not later than October fifth of the year in which he desires to enter on his work. The registration must be renewed not later than October fifth of each year for which the applicant desires to be considered a candidate: and, in case of non-resident candidates, the renewal of the registration must be accompanied by a statement showing the progress that has been made during the year.

Candidates for the degree must pay to the Treasurer of the College twenty dollars at the time of the first registration, and five dollars at the time of the final examination. No further charge is made for the diploma.

The degree must be taken not later than three years after the first registration, unless the period be extended by special vote of the Committee on Graduate Students. The candidate must give notice of his readiness for the final examinations not later than May first of the year during which he expects to receive the degree.

Candidates in residence who desire instruction will be charged forty dollars for each course, in addition to the prescribed fees for registration and examination. This will entitle them to one weekly period of instruction in each course. An additional charge may be made for the use of laboratory apparatus.

The College Catalogue will contain the names of those candidates who take the required courses *in residence*, not the names of those who pursue work *in absentia*.

Successful candidates for the degree are required to be present at the time when the degree is conferred, unless previously excused by the Board of Trustees.

Communications relative to the Master's degree should

be addressed to Professor Carroll Lewis Maxcy, Chairman of the Committee on Graduate Students.

RECORDS AND REPORTS

A report of scholarship is sent to every student's parents or guardian at the close of each semester, and at such other times as the Faculty may deem expedient. A permanent record of each student's scholarship is kept and by this record his final rank is determined.

PUBLIC WORSHIP

Chapel exercises are held every week-day morning and Sunday evening, and all students are required to be present.

On every Sunday morning, a preaching service is held in the college chapel at which the presence of all students not excused to attend elsewhere is required.

PREACHERS TO THE COLLEGE FOR THE YEAR 1908-1909

Ex-President Franklin Carter, D.D.	Williamstown
Rev. F. T. Clayton	Williamstown
Rev. Paul Van Dyke	Princeton, N. J.
Rev. Samuel V. V. Holmes	Buffalo, N. Y.
Rev. Willis Butler	Northampton
President Howard S. Bliss	Beirut, Syria
Rev. John Hopkins Denison, D.D.	Boston
President Douglas MacKenzie	Hartford, Conn.
Rev. A. F. Schauffler, D.D.	New York City
Rev. C. A. Barbour, D.D.	Rochester, N. Y.
Rev. Harris E. Adriance	New York City
Professor J. E. Russell	Williamstown
Rev. Robert E. Speer	New York City
Rev. Henry E. Cobb	New York City
Professor George W. Knox, D.D.	New York City
Rev. W. W. Ranney	Hartford, Conn.
Rev. Howard C. Robbins	Englewood, N. J.
Rev. W. V. W. Davis	Pittsfield
Rev. Boyd Edwards	Brooklyn, N Y.

Rev. John S. Zelie, D.D.	Plainfield, N. J.
President M. J. Fenenga	Ashland, Wisconsin
Rev. Hugh Birckhead	New York City
Rev. E. D. Tibbits	Hoosick Falls, N. Y.
Rev. Henry Sloane Coffin	New York City
Rev. A. J. Lyman	Brooklyn, N. Y.
Rev. R. M. Bates	New York City
Dr. Lyman Abbott	Cambridge
Rev. Anson Phelps Stokes	New Haven, Conn.
Rev. J. Franklin Carter	Williamstown
Rev. Francis G. Peabody	Cambridge
Rev. H. P. Dewey	Minneapolis, Minn.
Rev. William R. Richards	New York City
Dr. William M. Grosvenor	New York City
Rev. Paul Revere Frothingham	Boston
Rev. Hugh Black	New York City
Rev. Edward B. Coe	New York City

LIBRARY

The College Library contains sixty-five thousand six hundred volumes, exclusive of duplicates, and about nineteen thousand five hundred pamphlets. The card catalogue now covers the entire collection, bound and unbound. For the maintenance and enlargement of the library six thousand five hundred fifty dollars are expended annually. The Lawrence, Jonathan Phillips, J. Ruthven Adriance, D. A. Jones, Class of 1878, and Josiah William Wheeler funds represent a capital sum of about fifty-five thousand two hundred dollars, the income from which is increased by gifts, and by special appropriations of the Trustees.

Students have direct access to all books. They may draw three volumes at a time, to be retained, if desired, for two weeks, with the privilege of one renewal. Abundant facilities are afforded for reading, study, and writing during library hours.

The library is open every week day during the entire year. From September to Thanksgiving, and from Easter to Commencement the hours are from 8 A. M. to 12 M., from 1 P. M. to 6 P. M., and from 7.30 P. M. to 10 P. M.

Between Thanksgiving and Easter the hours are 8.30 A. M. to 12.30 P. M., 1.30 P. M. to 6 P. M., and 7.30 P. M. to 10 P. M. On Sundays during the college year the library is open, for reading and reference only, from 2 P. M. to 5.25 P. M. In vacation the hours are from 10.30 A. M. to 12.30 P. M., on week days.

A special effort is made to promote the seminary method. For this purpose reference books bearing on the term's work are placed in a special department of the east wing. Branch libraries are established in the Thompson Laboratories, Griffin Hall, Clark Hall, and Hopkins Hall, bringing the books bearing on biology, chemistry, physics, mathematics, astronomy, history, government, economics, physiology, botany, and geology, within the immediate reach of students in those departments. With the same method in view, books used for special study in language, literature, and philosophy are placed in the Reference Room in Goodrich Hall.

The library of the Philologian Society, containing nine thousand volumes, is open to its members Wednesdays and Saturdays.

A comfortable reading-room, well supplied with daily and weekly papers and other current literature, is maintained under the auspices of the Mills Young Men's Christian Association.

LABORATORIES

The departments of Biology, Chemistry, and Physics are located in the three buildings presented to the college by the late F. F. Thompson, Esq., of New York City.

The Biological Laboratory contains three laboratories for the various courses offered, a general lecture room, a library and reading-room where much of the current literature of biology is kept on file, also a room for illustrative collections, and an aquarium. The work of instruction and research commands the aid of suitable apparatus, such

as microscopes, microtomes, ovens, baths, and other necessary appliances, together with a large series of charts, models, and illustrative collections, which are being continually increased. There is also a complete stereopticon outfit, with projection microscope and arc light.

The Chemical Laboratory is supplied with modern appliances for instruction in chemistry. The building contains three large laboratories, two private laboratories, lecture and recitation rooms, and a reference library.

The Physical Laboratory contains a well appointed lecture room, a recitation room, separate laboratories for the work of the different classes, a department library, and rooms especially arranged for advanced work in electricity, magnetism, light, and chemical physics. Power is furnished by a Westinghouse engine of fifteen horse-power, and by a ten horse-power induction motor. The electrical equipment includes a five kilowatt dynamo, several smaller dynamos and motors, and standard instruments for measuring current-strength, voltage, resistance, capacity, etc. A storage battery of fifty cells furnishes current for the lecture room and laboratories.

OBSERVATORIES

The astronomical department of the college possesses two observatories for illustration and scientific investigation. The older was built by Professor Albert Hopkins in 1838, and contains an equatorial by Phelps of Troy, N. Y., with an object glass by Alvin Clark, Senior, which has an aperture of 7 inches. This instrument was constructed about 1852 and is interesting as an early example of Clark's optical work. The meridian room of the Hopkins Observatory contains a portable transit which can be used as a zenith telescope, together with the necessary clock. Another room contains the meteorological apparatus. Meteorological observations have been made regularly since about 1816.

In another part of the town a plot, comprising five acres and a half, was purchased in 1881 for astronomical purposes. At present this enclosure contains the Field Memorial Observatory, an iron meridian house, built at the expense of the Hon. David Dudley Field, together with a small building for the accommodation of portable instruments. The main instrument of this observatory is a fine meridian circle by A. Repsold and Sons of Hamburg, with a telescope of 4.8 inches aperture and a circle divided to 2′ of arc, reading by four microscopes to single seconds directly. The meridian circle is provided with a Riefler clock, a fillet chronograph, and collimators according to Rittenhouse.

In addition the department of astronomy is provided with a large number of portable instruments, among which are two telescopes for the simpler observations and three surveyor's transits, one of them a Wanschaff universal with seven-inch limb, latitude level, and microscopes reading to 5″ directly. There are also several instruments of reflection, including sextants, sailor's octants, and two prismatic circles, three chronometers, artificial horizons, and other small pieces of apparatus.

GEOLOGICAL MUSEUM

At the beginning of the present college year the geological collections were transferred to the museum room of Edward Clark Hall and are now open to the public.

The value of the collection to the public and for instruction has been greatly increased by the purchase of numerous specimens and models in the past few years. The Wilder mineral collection, the fossils collected by Professor Ebenezer Emmons and given by him to the college, much excellent local material, together with specimens

obtained by purchase and exchange make the exhibition peculiarly valuable.

The collections of modern shells, the gift of missionary alumni and others, are quite complete and are on exhibition.

A large series of models illustrating mountain structure, faulting, etc., as well as physiographic models and photographs are on exhibition and are also available for classroom purposes.

GYMNASIUM

The Lasell Gymnasium, erected and equipped at a cost of $50,000, chiefly by the munificence of the widow of the Hon. Josiah Lasell, of the class of 1844, and of his son, Josiah Manning Lasell, of the class of 1886, furnishes abundant facilities for physical development. The apparatus is the outcome of the study and invention of the best teachers of gymnastics. Pulley-weights of the best pattern, adjustable to varying strength, light Indian clubs, dumb bells, both of wood and of iron, horizontal and parallel bars, rings, and apparatus for developing special muscles, are used under the immediate supervision of an instructor. An inclined padded running track 229 feet in length, and a swimming pool 65 by 22 feet, are important features of the building. It is provided with hot and cold water, tub, sponge, and shower baths, and five hundred and fifty steel lockers. There are several class drills daily in the main hall at hours suiting the convenience of the students. A careful examination and measurement of each student is made by the Director soon after entering college, in order that the exercise may be adapted to individual peculiarities, and a symmetrical development secured. Gymnastic exercise is required of the Freshman class until the Easter recess.

COLLEGE INFIRMARY

Through the generosity of friends of the college a house has been provided where students who are ill can receive proper attention. Each student cared for at the Infirmary is charged one dollar a day. In case a special nurse is needed, the expense is to be borne by the person requiring the same, and the Infirmary is to be reimbursed for all expense and at the rate of six dollars a week for the nurse's board. In cases of contagious disease nurses charge extra for services. Board bills are to be paid to the College Treasurer.

PRIZES

BENEDICT PRIZES

The late Hon. Erastus C. Benedict, of the class of 1821, once an instructor in the college, established seven first prizes of twenty-five dollars each, which may be awarded annually for excellence in the following departments: Latin, Greek, French, German, Mathematics, Natural History, and History; seven second prizes of fifteen dollars each, which may be awarded in the same departments.

He also founded a prize of twenty-five dollars, to be given annually to that member of the college who, at the close of each college year, shall be found to have received the largest number of prizes.* Honorable mention is here counted as a prize. In case of a tie, the relative grades of the prizes will be taken into account, and honorable mention in Latin or Greek and a Rice book prize will not be counted.

BOOK PRIZES FROM THE RICE FUND

Six book prizes will be awarded from the Rice fund for excellence in Latin and Greek to students who are not recipients of the Benedict prizes in those subjects.

*For the present an additional sum of $75.00 will be given each year by a friend of the college to increase the prize to $100.00

Candidates for these prizes must have completed one year's work in Greek and two years' work in either Latin or Greek.

VAN VECHTEN PRIZE

A prize amounting to seventy dollars, established by A. V. W. Van Vechten, Esq., of the class of 1847, may be awarded for extemporaneous speaking. The assignment of this prize will be made by a committee of the Faculty on the basis of a public competition.

GRAVES PRIZES

The late Arthur B. Graves, Esq., of the class of 1858, founded seven prizes, amounting to two hundred dollars, which may be awarded as follows: six prizes of twenty dollars each for the best six essays prepared by members of the Senior class, on subjects assigned by the Faculty; and one prize of eighty dollars to the student who shall deliver his essay in the most effective manner before a public audience. The essays must be deposited in the library.

RHETORICAL PRIZES

On the evening before Commencement, ten speakers, appointed equally from the Junior and Sophomore classes, deliver original orations in competition for five prizes. The income of two thousand dollars, a part of which was given by Elizur Smith, Esq., of Lee, is appropriated for these prizes.

The Trustees of the college offer two prizes of twenty dollars and ten dollars respectively to members of the Freshman class for excellence in declamation.

RICE PRIZES

The income of five thousand dollars, left to the college by the late James Lathrop Rice, Esq., is by his will appro-

priated to the encouragement of Latin and Greek scholarship. Of this income sixty dollars may be awarded at Commencement of each year to the member of the Senior class who shall have shown the fullest and most accurate knowledge of certain Latin classics; and forty dollars to the member of the same class who shall have attained the second rank in the knowledge of the same authors; sixty dollars may be awarded at the same time to the member of the Senior class who shall have shown the fullest and most accurate knowledge of certain Greek classics; and forty dollars to the member of that class who shall have attained the second rank in the knowledge of the authors in question. The same student may compete for the prizes in both departments, but no prize will be assigned to a student who has not taken the subject for the four years of the college course. One of the elective year-courses, however, may be passed off by examination, but such a course may not count toward a degree.

DEWEY PRIZE

The late Hon. Francis Henshaw Dewey founded a prize of fifty dollars to be awarded to the member of the graduating class who presents the most creditable oration in point of composition and delivery at the Commencement exercises.

LATHERS GOLD MEDAL

The income of a fund of one thousand dollars, received from the late Col. Richard Lathers, is to be used each year for the making of the Lathers gold medal from a mould or die, for the manufacture of which Col. Lathers gave an additional sum of one hundred dollars. This medal will be offered in competition to all members of the Senior class who hand to the Secretary of the Faculty on or before the first day of March preceding their graduation a written essay of not less than one thousand words on "The Duties

of Christian Men in Relation to Government," and will be assigned to that writer whose essay has been pronounced by a committee of the Faculty to be the most worthy of publication. The essay selected shall then be sent by the Secretary of the Faculty to the *Springfield Republican*, or to a journal published in Pittsfield, with the request that it may appear in a near issue of such newspaper. In case no one of the competing essays has been adjudged worthy of publication, no medal for that year shall be awarded.

THE DAVID A. WELLS PRIZE

In accordance with the will of the late David A. Wells, of the class of 1847, a prize of $500 will be awarded annually for the best essay upon a subject in any one of a number of branches of Political Science.

The will provides that if no essay deemed worthy of the prize be presented in any year the award shall be withheld for that year. The successful essay will be printed and circulated by the college out of the residual income of the fund.

Competition is limited by the terms of its foundation to Senior undergraduates, and to graduates of Williams College of not more than three years' standing.

The following provision of the will of the founder of the competition governs the committee in the selection of subjects and in the consideration of essays:

"No subjects shall be selected for competitive writing or investigation and no essay shall be considered which in any way advocates or defends the spoliation of property under form or process of law; or the restriction of commerce in times of peace by legislation, except for moral or sanitary purposes; or the enactment of usury laws; or the impairment of contracts by the debasement of coin; or the issue and use by Government of irredeemable notes or promises to pay intended to be used as currency and as a substitute for money; or which defends the endowment

of such 'paper,' 'notes,' and 'promises to pay' with the legal tender quality."

The subject for the competition for the prize of 1911 will be announced during the winter of 1909-10. President Garfield will furnish competitors with the titles of authorities on the subject, on application.

The essays in the competition must be sent by March 15, 1911, to President Harry A. Garfield, Williamstown, Mass., to whom all communications should be addressed.

The competition for the prize of 1911, with the qualifications already stated, is open to the members of the classes of 1907, 1908, 1909, and 1910.

FRANKLIN STORY CONANT PRIZE IN BIOLOGY

This prize, which yields twenty-five dollars annually, has been founded by the class of 1893, in memory of their deceased classmate, whose name it bears. The award of this prize is made upon the recommendation of the Professor of Natural History, to that member of the Senior class, who, in his judgment, is best fitted to profit by advanced biological study. The money thus awarded will be used to pay the tuition fee of such student at the Marine Biological Laboratory, Woods Hole.

GREEK PRIZES

The sum of one hundred dollars, contributed annually, for the present, by Eugene Delano, Esq., of the class of 1866, is awarded in three prizes of fifty, thirty, and twenty dollars respectively, to the members of the Junior class who have shown the greatest excellence in the Greek studies of the Sophomore and Junior years.

DEBATING PRIZES

Through the generosity of an alumnus of the college, three prizes, one of twenty-five dollars, one of fifteen, and

one of ten, are awarded to three contestants in both the Dartmouth and Wesleyan preliminary debates. These prizes are awarded as follows: first, to the contestant who in the debate excels all other contestants; second, to the contestant who ranks second in excellence; and third, to the best of those contestants that do not secure appointment to the college debating team.

CANBY ATHLETIC SCHOLARSHIP PRIZE

A prize of fifty dollars, established by W. Marriot Canby, Jr., of the class of 1891, may be awarded at Commencement to that member of the Senior class who shall have attained the highest average standing in scholarship during his course, and who shall have fulfilled the requirements of eligibility.

Any member of the Senior class who has been in college since the beginning of his Junior year, and who, at any time during his college course, has represented the college in any recognized intercollegiate contest, shall be eligible.

PHILADELPHIA 1895 ALUMNI CUP

By the gift of Messrs. Felton Bent, Francis W. Rawle, and Henry D. Riley, of the class of 1895, a cup, to be known as the Philadelphia 1895 Alumni Cup, will be awarded annually on the thirtieth day of May to that member of the Freshman class who, in the opinion of the Athletic Council and the Faculty, or a committee thereof, shall have shown during his first full year in college the most marked progress in those branches of athletics that now are and hereafter may be prescribed by the Faculty as courses to be taken by the Freshman class. It is further required that the recipient of the cup shall have maintained during his first year an average of at least C in his other college work.

PHI BETA KAPPA

There are at present seventy-one chapters of Phi Beta

Kappa located at various colleges and universities, and high scholarship is always an essential requirement for admission to the fraternity. The Williams, or Gamma of Massachusetts, chapter was established July 21, 1864.

On the second Saturday after the close of the semi-annual examinations in February, a number not exceeding one twelfth of the whole number of the Senior class is elected to membership. Also, after the final examinations of the Senior year a twelfth of the remaining members of the Senior class is elected to membership. Almost without exception, the twelfth having the highest standing in the class is chosen.

HONORS

At the end of each college year the Faculty will award honors for high scholarship. These honors will be of two grades; viz., "honors" and "highest honors." The names of the recipients will be read at the Commencement exercises and printed in a pamphlet, which will be sent to the recipients, their parents, the Trustees, and the Faculty; and the names of the recipients will also be printed in the next annual catalogue. The names of Seniors taking honors may also be printed on the Commencement program.

The award will be made in accordance with the following conditions.

FRESHMAN, SOPHOMORE, JUNIOR, AND SENIOR CLASS HONORS

"Class honors" thus designated will be awarded at the end of each year to the students in each class who shall have attained the grade A in courses amounting to at least twenty-four semester-hours in that year, and shall have fallen below the grade B in none; and "highest class honors" will be awarded to those students in each class who shall have attained the grade A in all their courses, provided the same amount to at least thirty semester-hours.

FINAL HONORS

A *General Final Honors*

"General final honors" will be awarded to those students who shall have attained the grade A in at least half the hours of their entire course, and fallen below the grade B in none; and "highest general final honors" will be awarded to those who shall have attained the grade A in all the courses taken by them in college.

B *Final Honors in Special Fields*

"Final honors" will be awarded at graduation in any "major" subject of study, as designated on p. 51 of the catalogue, to any student who shall have attained the grade A in all the courses making up his "major."

LYCEUM OF NATURAL HISTORY

This organization was founded in 1835, and is maintained by the students of the college in connection with the department of Biology. Regular meetings are held at which reports are presented by the members or by visiting biologists.

A fund established by the late William J. Walker equips expeditions, organized for the purpose of making collections and of study, at more or less distant points. This fund, which, by the terms of the gift, is awarded every fourth year, will be next available in the summer of 1912, for the encouragement of biological research at the Marine Biological Laboratory, Woods Hole, Mass.

CLASSICAL SOCIETY

The Classical Society, formed of instructors and students in the elective Latin and Greek courses, has for its object the increase of interest in the study of the classics. It holds regular meetings in the College Library for the reading of classical authors, for the discussion of papers, and for

reports in the fields of Greek and Latin philology and archæology.

ART ASSOCIATION

The Williams Art Association, an organization of the students, under the direction of Professor Rice, provides occasional lectures and exhibitions during the autumn and winter terms. The material has been provided largely by gifts of alumni and friends, who show their interest in this feature of college life by contributions to the support of the courses in the history of art. Room No. 13 in the Hopkins Memorial Building has been fitted up for exhibiting and storing the photographs, prints, and other illustrations purchased since the founding of the association.

LIBRARY ART COLLECTION

A valuable collection of paintings, bas-reliefs, Etruscan vases, and Peruvian pottery, the gift of the late Mrs. John W. Field, of Philadelphia, is on exhibition in the Library.

The gift of suitable works of art is solicited by the Trustees of the college, subject to approval by a committee of their number.

THOMPSON COURSE OF ENTERTAINMENTS

This course, which for many years was sustained by the liberality of the late F. F. Thompson, Esq., of New York City, provided concerts and other entertainments during the winter. Mrs. Thompson has generously offered to continue the course for the current year.

Last year entertainments were given by: Leland T. Powers, the Adamowski Trio, The Dannreuther Quartette, Beatrice Herford, The Eliot Quartette, and others.

FIELD SPORTS

The smaller athletic fields near the college buildings afford practice in lawn-tennis and baseball, while the large

Weston Field, the gift of the late Hon. Byron Weston, of Dalton, affords opportunity for baseball, football, and track athletics. The golf links and tennis courts of the Taconic Club are open, on moderate terms, to student players.

SCHOLARSHIPS

*THE HORACE F. CLARK PRIZE SCHOLARSHIP

The Horace F. Clark Prize Scholarship, in honor of Horace F. Clark, Esq., of the class of 1833, has been established under the provisions of the will of Madame Marie Louise Souberbeille, his daughter, and the income will be awarded as follows:

(1) *For the Freshman year* $200, to be awarded to the member of the class regularly and faithfully participating in and duly completing the exercises and duties of that year, who upon admission to the college shall have passed a better examination than any other such member of the class.

The competition for this prize is open to all students who enter by examination taken under the auspices of the college or those of the College Entrance Examination Board, and completed in June or September of the year of admission.

(2) *For the Sophomore year* $200, to be awarded to the member of the class regularly and faithfully participating in and duly completing the exercises and duties of that year, who shall pass the best examination on certain subjects supplementary to and connected with the regular studies of the course, the sum to be paid at the end of the Sophomore year.

(3) *For the Junior year* $200, to be awarded to the member of the class regularly and faithfully participating in and duly completing the exercises and duties of that year, who shall pass the best examination on certain subjects supplementary to and connected with the regular

*The following regulations concerning the Clark Scholarship terminate with the year 1909-1910.

studies of the course, the sum to be paid at the end of the Junior year.

(4) *For the Senior year* $400, to be awarded to the member of the class regularly and faithfully participating in and duly completing the duties of that year, who shall pass the best examination on certain subjects supplementary to and connected with the regular studies of the course, and shall engage to pursue in residence for one year at some academic or scientific institution a course of graduate study (non-professional) to be approved by the Faculty, the sum to be paid one-half at the end of the Senior year and one-half at the close of such year of graduate study. Such graduate student must register his name, address, and course of study with the Secretary of the Faculty not later than the first of November, and must pass a satisfactory examination upon the work assigned. This examination will be held in Williamstown in June.

This scholarship may be withheld whenever, in the judgment of the committee, the result of the competition, in any class, does not justify its award.

The subjects for the examination for the candidates from the Sophomore, Junior, and Senior classes are to be a major and a minor subject chosen from different departments of study. Such subjects must be submitted by the first of November each year to the Clark Scholarship Committee, The examination upon the minor subject will be held during the second week in January and that on the major subject in June. The assignment in a major subject is expected to be as nearly as possible equal to the amount of work covered in a course occupying two hours a week for a year, and the assignment in a minor subject is expected to be equivalent to the work of a course occupying one hour a week for a year.

HONOR SCHOLARSHIPS

Several "Honor Scholarships" have been founded by alumni and friends of the college in order to afford pecun-

iary aid and to recognize successful scholarship. But under the present system all scholarships are considered "honor scholarships," and therefore these special "Honor Scholarships," five in number, are now merged in the general list in accordance with previous announcements.

GENERAL SCHOLARSHIPS

The income from the endowments included in the appended list, amounting to about $11,000 annually, is distributed, by direction of the Trustees, to those students who are known to need aid.

The regulations are as follows:

1 Applications must be made in advance to the Committee on Scholarships upon forms provided by the Dean. All scholarships lapse at the close of the college year. Application for renewal, including a complete statement of income and expenditure for the year preceding, must be filed before July 1st upon forms provided by the Committee.

2 All promises of scholarships to students before their admission are provisional. If conditions or deficiencies are standing against the candidate when the college year opens, his scholarship may thereby be forfeited.

3 Freshmen and Sophomores are expected to carry sixteen hours of college work per week, and Juniors and Seniors fifteen hours per week. A student having less than this number of hours to his credit at the beginning of any semester ordinarily forfeits his scholarship.

4 The stipend for Freshmen is uniformly fifty-seven and one-half dollars for the first semester. For each semester of the course after the first, the stipends range from fifty-seven and one-half to eighty-seven and one-half dollars.

A regrading of the stipends will be made at the beginning of each semester, on the basis of the standing for the previous semester, according to the following scale:

Group	1	$87.50	per semester
"	2	80.00	" "
"	3	72.50	" "
"	4	65.00	" "
"	5	57.50	" "

5 A Freshman who fails to obtain grades as high as C in at least nine hours of work will lose his scholarship for the following semester.

6 After the Freshman year, a student who fails to obtain grades as high as C in at least twelve hours of work will lose his scholarship for the following semester.

7 Any one of the following causes may prevent the consideration of an application, or cause the forfeiture of a scholarship already awarded:

(*a*) Evidence satisfactory to the committee that the scholarship is not needed;

(*b*) Any serious misconduct;

(*c*) Indulgence in intoxicating liquors;

(*d*) Expensive habits. Holders of scholarships must satisfy the committee that they are exercising strict economy in respect to lodgings, board, and general living expenses.

8 A scholarship may be restored after a lapse of a semester, if the cause of forfeiture has been removed.

Lists of all holders of scholarships, except Freshmen, are printed in the Catalogue in groups according to grades.

REVISED LIST OF SCHOLARSHIP FUNDS

The Henry Titus Morgan Fund, 1883	$82,250.00
The John C. Baldwin Fund, 1871	27,915.14
The William Hilton Fund, 1897, 1899	25,710.00
The Alumni Scholarship Fund, 1870	10,000.00
The Mrs. Abby Burrall Mills Fund, 1876	8,300.00
The Massachusetts Fund, 1869	7,500.00
The Woodbridge Little Fund, 1811, 1813	6,000.00
The Moses Day Fund, 1880	5,000.00
The Thomas Thornton Read Permanent Fund, 1888	5,948.93
The Mary Brown Ward Warner Scholarship	5,000.00
The three Commonwealth Scholarships, 1861	4,500.00
The Horace Nathaniel Pennoyer Scholarship, 1895	3,500.00
The Francis Henshaw Dewey Scholarship, 1888	3,000.00
The Henshaw Scholarship, 1888	3,000.00
The Joseph White Memorial Scholarship, 1903	3,000.00
The Thomas Thornton Read Scholarship, 1875	2,500.00
The Scholarship of the Class of 1851, 1872	2,500.00
The Scholarship of the Class of 1852, 1873	2,500.00
The Mrs. Louisa F. Bartlett Scholarship, 1874	2,500.00
The Homer Bartlett Scholarship, 1861, 1874	2,500.00
The William Hyde Scholarship, 1869, 1875	2,500.00
The Mrs. William Hyde Scholarship, 1880	4,765.25
The Orrin Sage Scholarship, 1853, 1875	2,500.00
The Miss Sarah Ruth Sage Scholarship, 1880	4,756.25
The Hancock Scholarship, 1875	2,500.00
The Olin White Geer Memorial Scholarship, 1884	2,500.00
The Paul Ansel Chadbourne Scholarship, 1889	2,500.00
The Charles Henry Thomson Scholarship, 1871	2,500.00
The James Ruthven Adriance Memorial Scholarship, 1880	2,500.00
The Samuel Dennis Warren Scholarship, 1870	2,500.00
The Charles Franklin Gilson Scholarship, 1881	2,500.00
The Scholarship of the Class of 1867, 1878, 1898	2,500.00
The Scholarship of the Class of 1862, 1868, 1902	2,500.00
The Ephraim Flint Scholarship, 1904	2,500.00
The Abraham Lansing Scholarship, 1906	2,500.00
The Henry P. Brush Scholarship, 1885	2,375.00
The Amos Lawrence Scholarships, 1847	2,000.00
The Charles Augustus Dewey Scholarship, 1866, 1870	1,500.00
The Charles A. Jessup Scholarship, 1879	1,000.00
The Mrs. Robert Means Fund, 1857	1,000.00
The Abraham Baldwin Olin Scholarship, 1866	1,000.00

The George H. Rosseter Scholarship, 1873	1,000.00
The Newton Henry Rosseter Scholarship, 1870	1,000.00
The Mrs. Charlotte Cone Scholarship, 1856	1,000.00
The Charles Stoddard Scholarship, 1866	1,000.00
The Emory Washburn Scholarship, 1877	1,000.00
The Mrs. Sarah Woodhull Arms Scholarship, 1877	1,000.00
The Cyrus Taggart Mills Scholarship, 1886	1,000.00
The Michael Edward Driscoll Fund, 1896	1,000.00
The George Anderson Scholarship, 1906	1,000.00
The Col. Henry Root Scholarship Fund, 1907	1,000.00
The Benjamin Howard Fund 1902	952.50
The Ezra Starkweather Fund, 1835	943.60
The Franklin Marcellus Olds Fund, 1886	700.00
The Charles Merriam Scholarship, 1860	550.00
The J. Barker and Brothers Scholarship, 1856	500.00
The W. W. Mason Scholarship, 1856	500.00
The B. F. Bancroft Scholarship, 1856	500.00
The Bela Peck Williams Scholarship, 1859	500.00
The Thomas W. Williams Scholarship, 1859	500.00
The John Tatlock, Jr. Fund, 1892	500.00
The Charles Andrews Heath Fund, 1897	500.00
The John Dudley Hardy Fund, 1902	500.00
The Ira Jewett Geer Fund, 1902	500.00
The Fund of the Class of 1840	500.00
The Fund of the Class of 1857	500.00
The Fund of the Class of 1860	450.00
The Funds of six other Classes	337.00
The Frank Benjamin Yates Fund, 1897	300.00
The Mrs. Betsy Barnes Fund, 1879	300.00
The Fund of the Class of 1848	300.00
The Fund of the Class of 1847	200.00
Total	$284,544.67

The use of the income of the bequest of the late Henry Titus Morgan, in assisting young men to secure an education, is in accordance with the preference expressed, though not made mandatory, in his will. By vote of the Trustees the income is used, so far as may be necessary, to provide Henry Titus Morgan Scholarships for the Freshman class. The income of $6,000, the gift of Ebenezer R. Goodnow,

and the income of $10,000, the gift of a friend, will also ultimately be devoted to scholarships.

The Horace F. Clark Prize Scholarship Fund of $20,000 is not a part of the General Scholarship Fund, its income being distributed as prizes to all successful competitors without regard to their pecuniary circumstances, as is explained on page 114.

EXPENSES

TREASURER'S BILLS

Tuition, $70 per semester	$140.00	$140.00
*Room charge, $18 to $80 per semester	36.00	160.00
	$176.00	$300.00

The following is an estimate of some of the necessary expenses for the college year:

Board, $5.00 to $7.00 per week, for 38 weeks	$190.00	$266.00
Washing	20.00	30.00
Light	5.00	20.00
	$215.00	$316.00
Total, from	391.00 to	616.00

In addition to these items a fee is charged for the use of apparatus and materials in connection with the following courses:

Art 1, Art 2, Art 3	Each $3.00
Biology 2	10.00
Biology 3	10.00
Botany	3.00
Chemistry 1	3.00
Chemistry 2	10.00 and breakage
Chemistry 3	10.00 " "
Chemistry 5	5.00 " "
Chemistry 6	5.00 " "
Geology 2	3.00
Physics 1	3.00
Physics 2	10.00
Physics 3	10.00

*Subject to possible change

All fees mentioned in this paragraph are paid directly to the respective departments at the beginning of each term.

An additional charge of $10.00 is made on the last term bill of the Seniors to cover expenses of graduation.

Every student's bill is mailed to him at the beginning of each semester, and he is held responsible for prompt payment, which is required in advance. In case any student fails to pay by the end of the second week after the date of the bill, he may be excluded from all college exercises. No part of a term bill will be refunded for any cause.

To the above items must be added the expense of furnishing a room, cost of text-books, and incidentals. The amount of incidental expenses depends very much on the habits of the student.

Special damage done to College property by students will be charged to them.

Those who enter on an advanced standing, unless they come from another college, pay the following sums as entrance fees, viz.: Sophomore, $10; Juniors, $20; Seniors, $30.

Every student taking courses amounting to more than 16 hours per week at the beginning of any semester will be charged a supplementary fee of $10 for the extra instruction of that semester; and every student taking courses amounting to more than 19 hours per week at the beginning of any semester will be charged a supplementary fee of $20 for the extra instruction of that semester.

COLLEGE ROOMS

The college has eight buildings used as dormitories. There are five triple rooms, one hundred and twenty-two double rooms and fifty-eight single rooms. These accommodate about three hundred students. The buildings are heated from a central heating plant. Each man provides his own light. Each building has bath-room and toilet conveniences.

Necessary repairs are made by the college but all additional work is at the expense of those who occupy the rooms.

There are three methods of securing rooms: by occupancy, by lot, and by application.

1 Up to May 1st of each year the two occupants of any room may retain their room for the ensuing college year by renewing their application and paying half of the yearly charge. One student may hold his half of a double room by securing a room-mate from his own class or from an upper class.

2 The rooms not thus re-engaged are offered to the college classes in the order of seniority. The choice in each class is determined by lot, but no choice is allowed except to two members of the same class who wish to room together.

3 All rooms not taken by the men in college are open to the entering class in the order of application. This application does not constitute a promise on either part, but it gives the applicant an opportunity to select a room if, when the time of choice comes, there is any room open that he desires. An early application is wise. If he wishes a double room he must select his own room-mate at the time the application is filed, or take the next man on the application list.

To secure a room the applicant must sign the following paper:—

The undersigned hereby applies for the assignment to him of one-half of Room No.....in.....for the college year 19-19, subject to all the published room regulations, and for his personal use and occupancy as a student, and agrees to pay therefor as a part of the annual charges during said year against the undersigned as a student the sum of $.....payable in half-yearly payments. The first half-yearly payment shall be payable when the assignment is made and no part thereof shall be refunded under any circumstances.

The payment of one half of the yearly charge when the assignment is made is required of all who take college

rooms, both those already members of the college and those intending to enter.

The man who signs for a room must occupy it himself; he cannot transfer it. No double room is secured till both applications are on file with the Treasurer. Each occupant of a college room is held responsible for all damage done to his room.

Students who leave college at the end of the college year, as well as those who are to change from one room to another, or from a college room to a private house or a society house, must remove all furniture and other property from their rooms immediately after Commencement. Furniture not thus removed by the owner will be removed by the college employees and stored at the owner's expense. This expense will be collected of students who leave college when the property is taken away, but in cases of other students it will be charged in the next term bill. All things sent for the students during vacation should be sent in the care of the Superintendent of Buildings.

Those students who, from choice or necessity, room in town can obtain rooms at prices somewhat higher than the rates charged in college.

Descriptive lists and price lists of rooms and general information may be obtained on application to the Treasurer.

COMMONS

A college commons has been established in Currier Hall accommodating about one hundred and ten men. Meals are served at table d'hote rates to students availing themselves regularly of the privilege, while an a-la-carte service is also provided. In addition to the dining room, a large and attractively furnished Common Room is maintained.

PRIZES AWARDED AT COMMENCEMENT 1909

THE BENEDICT PRIZE

In Latin

FIRST PRIZE—James Garfield.....Class of 1911
SECOND PRIZE—Arthur Lester Rae..... " " 1911
HONORABLE MENTION—Harold Stanard Adams and
Ralph Mason Blake..... " " 1911

In Greek

FIRST PRIZE—Equally divided between
James Garfield, Sterling Power Lamprecht and
Arthur Lester Rae.....Class of 1911
HONORABLE MENTION—Lesley Green Sheafer..... " " 1910
and Abbott Paige Mills..... " " 1911

In French

FIRST PRIZE—James Ernest King.....Class of 1912
SECOND PRIZE—Harold Stanard Adams..... " " 1911

In German

FIRST PRIZE—Clarence Orman Hicks.....Class of 1910
SECOND PRIZE—Ernest Roland Preston..... " " 1911
HONORABLE MENTION—Russell Mowen..... " " 1910

In Mathematics

FIRST PRIZE—Merrill Newcomb Gates.....Class of 1911
SECOND PRIZE—Stephen Girard Kent..... " " 1911
HONORABLE MENTION—Jay Bernard Angevene and
Ernest Roland Preston..... " " 1911

In Natural History

FIRST PRIZE—Chapman Grant.....Class of 1910
SECOND PRIZE—Gilbert Horrax..... " " 1909

In History

FIRST PRIZE—Bert Clarence Cate.....Class of 1909
SECOND PRIZE—Frank Ward Strong..... " " 1909
HONORABLE MENTION—Alan Lichtenhein..... " " 1909

PRIZE FOR PRIZES

Bert Clarence Cate.....Class of 1909

THE GRAVES PRIZES

For Essays—Class of 1909

Frederick Merchant Myers — Frank Ward Strong
Carroll Everts Robb — Ernest Hosmer Wood

For Excellence in Delivery

Carroll Everts Robb

THE RHETORICAL PRIZES

General Prize

George Dart Carrington.....Class of 1910

Junior Prizes

First Prize—Hubert William Fowle.....Class of 1910
Second Prize—Raymond Noyes Crawford..... " " 1910

Sophomore Prizes

First Prize—Reginald Dunderdale Forbes.....Class of 1911
Second Prize—Floyd Irwin Newton..... " " 1911

THE VAN VECHTEN PRIZE

For Extemporaneous Speaking

Henry Wolcott Toll.....Class of 1909

THE DEBATING PRIZES

Dartmouth Preliminaries

First Prize—Carroll Everts Robb.....Class of 1909
Second Prize—Francis Colburn Pinkham..... " " 1910
Third Prize—Philo Clarke Calhoun..... " " 1910

Wesleyan Preliminaries

First Prize—Henry Wolcott Toll.....Class of 1909
Second Prize—Edward Samuel Greenbaum..... " " 1910
Third Prize—Raymond Noyes Crawford..... " " 1910

THE DEWEY PRIZE

For Excellence in Commencement Exercises

Francis Bowes Sayre.....Class of 1909

THE RICE PRIZES

In Latin

FIRST PRIZE—Frederick Merchant Myers..... Class of 1909
SECOND PRIZE—Clyde Coleman..... " " "

In Greek

FIRST PRIZE—Bert Clarence Cate..... Class of 1909
SECOND PRIZE—Herbert Dewey Moon..... " " "

BOOK PRIZES FROM THE RICE FUND

Ralph Mason Blake..... Class of 1911
Thorn Dickenson..... " " "
Abbott Paige Mills..... " " "
LeRoy Parker Ogden..... " " "
Lesley Green Sheafer..... " " 1910
Lewis Taber Sweet..... " " 1911

THE DELANO PRIZES IN GREEK

FIRST PRIZE—Clarence Orman Hicks..... Class of 1910
SECOND PRIZE—Charlie Mead Benham..... " " "
THIRD PRIZE—Raymond Noyes Crawford..... " " "
HONORABLE MENTION—Lars Sellstedt Potter and William Wallace Smith, 2nd..... " " "

THE CANBY ATHLETIC PRIZE

Bert Clarence Cate..... Class of 1909

THE HORACE FRANCIS CLARK PRIZE SCHOLARSHIP

Senior and Graduates

Equally divided between Bert Clarence Cate, Harry Linn Fisher and Roger Sherman Loomis..... Class of 1908

Junior

Charlie Mead Benham..... Class of 1910

Sophomore

Arthur Lester Rae..... Class of 1911

Freshman

Ernest Boynton Patten..... Class of 1912

THE LATHERS GOLD MEDAL

Not Awarded

THE DAVID AMES WELLS PRIZE

Not Awarded

HONORS AWARDED AT COMMENCEMENT, 1909

CLASS HONORS

Senior Honors

Leslie Lee Bottsford
Bert Clarence Cate
Clyde Coleman
Lawrence Samuel Greenbaum
Frederick Merchant Myers

Junior Honors

Samuel Wolcott Clausen
Clarence Orman Hicks, *Highest Honors*
Harold Reed Sheedy

Sophomore Honors

James Garfield, *Highest Honors*
Arthur Lester Rae

FINAL HONORS IN SPECIAL FIELDS—CLASS OF 1909

Bert Clarence Cate, *Greek*
Frederick Merchant Myers, *Latin*
Harry Linn Fisher, *Chemistry*
Lawrence Samuel Greenbaum, *Physics*

HOLDERS OF SCHOLARSHIPS

SENIORS, JUNIORS, AND SOPHOMORES, CLASSES OF 1910, 1911, AND 1912

The following list of holders of scholarships is considered an "honor list." It includes the names of none who have not been in college for at least a year, and of none who failed to reach at least the grade of C for the last semester. It therefore excludes the names of all Freshmen and other new students, though they may be receiving the pecuniary advantages of scholarships.

It excludes also the names of a few students who hold scholarships by special vote of the Trustees.

The list is based on the average of the last semester, as explained in section 4 on page 116.

A few scholarships are dependent upon local considerations, or personal nomination. Incumbents of such scholarships are placed in the groups which correspond to their standing, without regard to the actual value of the scholarships which they hold.

GROUP I

1910

Clarence Orman Hicks
Harold Reed Sheedy

GROUP III

1910

Richard Orcutt Bailey
Raymond Noyes Crawford
Hubert William Fowle

1911

Edward Leonard Bacher
Abbot Paige Mills
Le Roy Parker Ogden
Ernest Roland Preston

1912

Joseph Hendershot Park
Ernest Little Wakefield

GROUP IV

1910

George Morris Cheeney
Leon Sherman Pratt
Thomas Freeman Tarbell
Harold George Thompson

1912

Charles Albert Anderson
Lee Byron Baker
Charles Julius Bauerle, Jr.
Lyndon Smith Beardslee
Thomas Harrison Card
Harry Knowles Messenger
George Lee Trumbull

GROUP V

1910

John Robert Hamilton
Rowland Sloan Hill
William Harold Hosford
John Power Ryan
Charles Parsons Stocking
Charles Henry Welsby
Norris George Wood

1911

Frank Speer Coan
John Virgil Parker
Henry Percy Shearman

1912

Loyd Hayward Bartlett
Clarence Mannington Cossum
Howard Townsend Heister
Edward Augustus Lane
Frederic Edward Linder
Raymond Foster Marshall
Harry Perry Martin
Paul Franklin Otis
George Franklin Simson

APPOINTMENTS FOR COMMENCEMENT

CLASS OF 1909

PHILOSOPHICAL ORATIONS

First Class

Frederick Merchant Myers
Francis Bowes Sayre, (*Valedictorian*)

Second Class

Bert Clarence Cate
Harry Linn Fisher

ORATIONS

Clyde Coleman
Harold MacLean Lewis
Perry Foote Narten

DISSERTATIONS

First Class

Leslie Lee Botsford
Lawrence Samuel Greenbaum
Benjamin Stuart Gutelius
Alan Lichtenhein
Roger Sherman Loomis
Carl Dusenbury Matz
Ralph Stratton Wolcott
Ernest Hosmer Wood

Second Class

Norman Kingsley Butler
Dewitt Lawrence Gutman

DEGREES CONFERRED IN 1909

DEGREES IN COURSE

BACHELOR OF ARTS

Collins Atwater
John Frederick Bargfrede
Leslie Lee Bottsford
Clarence Fayette Brown
William Alvord Burke
Norman Kingsley Butler
Winthrop Parkhurst Buttrick
John Howe Carlisle
Bert Clarence Cate
Clyde Coleman
Wesley Franklin Coney
Francis Henshaw Dewey, Jr.
Howard Saunier Dodd
Payson Stone Douglass
George Englehard
Morris Leopold Ernst
Richard Henderson Eurich
Harry Linn Fisher
William Roy Gallup
Willard Ansley Gibson
Lawrence Samuel Greenbaum
Benjamin Stuart Gutelius
Dewitt Lawrence Gutman
Levant Mason Hall
Frank Myers Hamilton
Percy Waters Hammond
Joseph Osgood Hanson
Henry William Harter, Jr.
Everett Luce Hazelton
William Henry Hoch
Mahlon Ernest Hopkins
Charles Bonnifield Hormel
Gilbert Horrax
Kenneth Jenkins Howe
Guy Ransome Jenkins, 2nd
Henry Rust Johnston
Kenyon Arthur Keith
Eldred Klauser
Virgil Polk Kline, Jr.
Almet Reed Latson, Jr.
Paul Root Lawrence
Harold MacLean Lewis
Alan Lichtenhein
Roger Sherman Loomis
Leslie Eugene McCuen
Allen McDougall
Mark Walton Maclay, Jr.
James Matless
Carl Dusenbury Matz
Willis Monroe Menard
Theodore Biggs Metzger
Sterling Armstrong Millard
Robert Bodley Miner
Herbert Dewey Moon
Gilbert Livingston Morse
Frederick Merchant Myers
Perry Foote Narten
Alfred Naumburg
John Emmanuel Nelson
Sidney Douglass Palmer
Harry Harvey Pike
Henry James Post
Carroll Everts Robb
Paul Rowland
Arthur Joseph Santry
Francis Bowes Sayre
Livingston Newell Smith
Warren Moulton Spann
Frank Ward Strong
Alexander McKechnie Swain
Theodore Clute Thompson
Henry Wolcott Toll
George Coe Van de Carr
Benno William von Witzleben
Charles Desmond Wadsworth
Raymond Waite

Oscar McMillan Westen
Eleazer Deming Williams
James Wesley Van Wiltsie
Thomas Scudder Winslow
Ralph Stratton Wolcott
Ernest Hosmer Wood
John Draper Woodfin
John Caulfield Woodruff
Henry James Young

MASTER OF ARTS

George Tilden Colman
Albert Jay Hill, Jr.
Russell Valentine Hobson
Carl Wheeler Rand
Chester Dewey Stiles

HONORARY DEGREES

MASTER OF ARTS

Frederick James Fessenden
Edward Center Groesbeck

DOCTOR OF LETTERS

William Theophilus Rogers Marvin

DOCTOR OF DIVINITY

Adolph Frederick Schauffler
Alexander Hamilton Vinton

DOCTOR OF LAWS

Richard Achilles Ballinger
Alfred Clark Chapin
Henry Burchard Fine
Wilfred Thomason Grenfell

STUDENTS

CANDIDATES (IN RESIDENCE) FOR THE DEGREE OF MASTER OF ARTS

Bert Clarence Cate, B.A., 1909, Warsaw, N. Y.
Latin *English*

Clyde Colman, B.A., 1909, Victoria, Ill.
Chemistry *Biology*

Roy Stanley Corwin, B.A., 1908, Riverhead, N. Y.
Geology *Biology*

Barnaby Matthew Hogan, B.A., 1906, Williamstown
Romance Languages *Latin*

Sumner Wynne Stevens, B.A., Univ. of Rochester, 1881, Williamstown
English *History*

Frank Ward Strong, B.A., 1909, North Woodbury, Conn.
Economics *History*

Sanborn Gove Tenney, B.A., 1886, Williamstown
English *Geology*

Henry Lawrence Whittemore, B.A., 1907, Williamstown
Philosophy *English*

SENIORS—CLASS OF 1910*

Carl Ferdinand Ahlstrom, Jr.	*New York City*	A. Δ. Φ. House
Harry Louis Alexander	*New York City*	Φ. Δ. Θ. House
Sinclair Tousey Allen	*Clinton Corners, N. Y.*	Z. Ψ. House
Dan Hinckley Arnold	*New York City*	8 W. C.
James Auld Austin	*Fitchburg*	Δ. K. E. House
Bierce Bailey	*Troy, N. Y.*	15 M. H.
Richard Orcutt Bailey	*Oneida, N. Y.*	Θ. Δ. X. House
Cortlandt Beekman	*New York City*	St. Anthony H.
Charlie Mead Benham	*Amenia, N. Y.*	9 B. H.
Stanley Prindle Benton	*Great Barrington*	Φ. Σ. K. House
Charles Russell Brewer	*Gilbertsville, N. Y.*	9 B. H.
Edward Henry Brockway	*Hartford, Conn.*	X. Ψ. Lodge
Belvidere Brooks, Jr.	*New York City*	Δ. K. E. House
Franklin Cline Buck	*Mount Vernon, N. Y.*	15 M. H.
Lyndon Bulkley Cady	*New York City*	12 B. H.
Philo Clarke Calhoun	*Bridgeport, Conn.*	18 B. H.
George Dart Carrington	*New York City*	Φ. Σ. K. House
William Lansing Chapman	*Lansingburg, N. Y.*	Δ. Υ. House
George Morris Cheney	*Williamstown*	23 Southworth St.
Samuel Wolcott Clausen	*Canandaigua, N. Y.*	12 B. H.
Harrison Holmes Cochran	*Minneapolis, Minn.*	7 B. H.
Frederick Van Cleve Cole	*White Plains, N. Y.*	14 M. H.
Albert Selmser Coons	*Gloversville, N. Y.*	Φ. Δ. Θ. House
Anson Eldred	*Milwaukee, Wis.*	St. Anthony H.
Joseph Shattuck Ely	*Greenville, N. H.*	Δ. K. E. House
Richard Duncan Ely	*Hartford, Conn.*	K. A. Lodge
Malcolm Edwin Erskine	*Racine, Wis.*	St. Anthony H.
Hubert William Fowle	*Cesarea, Turkey*	A. Z. A. House
Edwin Bulkley Gore	*Chicago, Ill.*	Φ. Δ. Θ. House
Charles French Gould	*Lake Forest, Ill.*	26 M. H.
Chapman Grant	*San Diego, Cal.*	T. B. L.
Robert Graves, Jr.	*New York City*	1 Hoxsey St.
Edward Samuel Greenbaum	*New York City*	Spring St.
Theodore Barton Griffith	*Broad Ripple, Ind.*	K. A. Lodge
John Robert Hamilton	*Watervliet, N. Y.*	A. Z. A. House
William Castle Herrick	*Albany, N. Y.*	Σ. Φ. Place

*LIST OF ABBREVIATIONS

The following abbreviations are used in the addresses of students:

B. H. Berkshire Hall
C. H. College Hall
Cr. H. Currier Hall
E. C. East College
F. H. Fayerweather Hall
J. H. Jesup Hall
M. H. Morgan Hall
T. B. L. Thompson Biological Laboratory
T. C. L. Thompson Chemical Laboratory
T. P. L. Thompson Physical Laboratory
W. C. West College

Clarence Orman Hicks	*North Adams*	16 B. H.
Rowland Sloan Hill	*Pittsfield*	13 B. H.
Lawrence Ru Hills	*Cincinnati, O.*	Z. Ψ. House
Horace Hotchkiss Holley	*Williamstown*	Φ. Δ. Θ. House
William Harold Hosford	*Williamstown*	North St.
Charles Frost Hurd, Jr.	*Medina, N. Y.*	A. Z. A. House
Richard Law Jackson	*Middletown, Conn.*	Σ. Φ. Place
Harold Macy Jenkins	*Pittsford, N. Y.*	K. A. Lodge
Edwin Theodore Johnson, Jr.	*Oak Park, Ill.*	Δ. K. E. House
Elliot Weber Johnson	*Greenwich, Conn.*	Θ. Δ. X. House
Stafford Fisher Johnson	*Colorado Springs, Colo.*	7 B. H.
Leonard Douglas Karcher	*Oak Park, Ill.*	X. Ψ. Lodge
Arthur Livingston Kelley, Jr.	*Providence, R. I.*	A. Δ. Φ. House
Edwin James Kuh, Jr.	*Chicago, Ill.*	23 M. H.
John Randolph Labaree	*South Dennis*	22 M. H.
Morris Bryan Lambie	*Northampton*	Φ. Δ. Θ. House
George Vaill LaMonte	*Bound Brook, N. J.*	Φ. Δ. Θ. House
Dean Langmuir	*Brooklyn, N. Y.*	11 F. H.
Edwin Partridge Lehman	*Redlands, Cal.*	8 W. C.
Wilfrid Vaughan Lewis	*Irvington, N. Y.*	A. Δ. Φ. House
Frederick Beasley Marsh, 2nd	*New York City*	Room A F. H.
Alvin Simmons Meland	*Red Wing, Minn.*	Spring St.
Russell Mowen	*Brooklyn, N. Y.*	22 M. H.
Robert Edward Noble	*Adams*	20 M. H.
Gerald Hays Page	*Peoria, Ill.*	Δ. K. E. House
Garrett Hardy Payne	*Brooklyn, N. Y.*	Z. Ψ. House
John Raymond Peck	*Germantown, Pa.*	Z. Ψ. House
Henry Beaumont Pennell, Jr.	*Portland, Me.*	X. Ψ. Lodge
Colburn Pinkham	*Brooklyn, N. Y.*	22 J. H.
Lars Sellstedt Potter	*Buffalo, N. Y.*	K. A. Lodge
Arthur Barr Powell	*Montclair, N. J.*	3 Adams Block
Leon Sherman Pratt	*Dalton*	Φ. Σ. K. House
Ernest Roland Preston	*Natick*	13-14 B. H.
Marcus Dimmitt Richards	*Chicago, Ill.*	12 W. C.
John Power Ryan	*Troy, N. Y.*	Φ. Δ. Θ. House
Lesley Green Sheafer	*Pottsville, Pa.*	Φ. Δ. Θ. House
Harold Reed Sheedy	*Groton*	Φ. Σ. K. House
William LeRoy Shields	*Troy, N. Y.*	St. Anthony H.
Walter Rumsey Skinner	*Webster Groves, Mo.*	X. Ψ. Lodge
William Wallace Smith, 2nd	*Poughkeepsie, N. Y.*	Z. Ψ. House
Charles Parsons Stocking	*Williamstown*	Φ. Σ. K. House
Thomas Freeman Tarbell	*East Pepperell*	Spring St.
Fred Hurlbut Taylor	*Montclair, N. J.*	A. Δ. Φ. House

Stuart John Templeton	*Oak Park, Ill.*	A. Δ. Φ. House
John Francis Thomas	*Troy, N. Y.*	14 M. H.
Harold George Thompson	*East Norwalk, Conn.*	10 B. H.
James Alexander Tillinghast	*Providence, R. I.*	A. F. H.
John Lincoln Waldo	*Jamaica Plain*	K. A. Lodge
Charles Henry Welsby	*North Adams*	7 F. H.
James Seymour Westbrook	*Ogdensburg, N. Y.*	Σ. Φ. Place
Temple Williams	*Chicago, Ill.*	X. Ψ. Lodge
Hamilton Brooks Wood	*Worcester*	Z. Ψ. House
Norris George Wood	*Somersville, Conn.*	10 B. H.
Charles Douglas Woodhouse	*Burlington, Vt.*	Θ. Δ. X. House

Total..... 90

JUNIORS—CLASS OF 1911

Harold Stanard Adams	*Pittsfield*	Θ. Δ. X. House
Francis Loudon Andrews	*Dalton*	Φ. Σ. K. House
Jay Bernard Angevene	*Highland, N. Y.*	A. Z. A. House
Edward Leonard Bacher	*Gilbertville*	A. Z. A. House
Ralph Boerne Bettman	*Chicago, Ill.*	5 M. H.
Ralph Mason Blake	*Greenfield*	25 B. H.
Herbert Bluthenthal	*Wilmington, N. C.*	8 M. H.
Herbert Fred Bohnet	*Brooklyn, N. Y.*	Δ. Υ. House
Charles Henry Breck Brackett	*Newton*	21 M. H.
George Bruce Brooks	*New York City*	Δ. K. E. House
Norman Keyes Bryant	*North Adams*	10-11 B. H.
Norman Lee Burton	*Oak Park, Ill.*	32 M. H.
Clarence Tupper Butler	*Williamstown*	11 E. C.
Richard David Campbell	*Dorset, Vt.*	Φ. Σ. K. House
William James Cartwright	*Williamstown*	Water St.
Lewis Winthrop Clough	*Worcester*	2 E. C.
Frank Speer Coan	*Urumia, Persia*	A. Z. A. House
Charles Durant Coe	*Medford*	Δ. Υ. House
John Alfred Cogswell	*Newton Center*	21 M. H.
Paul Clinton Cook	*Pittsfield*	11 E. C.
Paul Dana	*Philadelphia, Pa.*	Δ. K. E. House
Thorn Dickinson	*Middlebury, Vt.*	25 J. H.
Raymond Canfield Dodd	*Glen Ridge, N. J.*	23 M. H.
William Vanderbilt Dolph	*Portland, Ore.*	6 W. C.
Alfred Elijah Edwards	*Natick*	13 B. H.
Allan Manro Eldredge	*Auburn, N. Y.*	1 E. C.
Samuel B. Emery	*Albany, N. Y.*	19 B. H.
Francis Michael Fallon	*Williamstown*	East Main St.
Edwin Albert Fish	*Minneapolis, Minn.*	Σ. Φ. Place
John Welton Fisher, Jr.	*Milwaukee, Wis.*	Φ. Δ. Θ. House
Frank Fitt	*East Northfield*	12 E. C.
Seward Griffin Folsom	*Circleville, O.*	Δ. Υ. House
Reginald Dunderdale Forbes	*New London, Conn.*	6 F. H.
Donald Ford	*Brooklyn, N. Y.*	X. Ψ. Lodge
James Garfield	*Williamstown*	12 W. C.
Merrill Newcomb Gates	*Auburn, N. Y.*	K. A. Lodge
Danforth Geer, Jr.	*Hoosick Falls, N. Y.*	St. Anthony H.
Robert William Gilmore	*Woodmere, N. Y.*	18 M. H.
Henry Holland Goff	*Fall River*	Δ. Υ. House
Gustave Philip Grabfield	*Cincinnati, O.*	5 M. H.
James Tracy Hale, Jr.	*Duluth, Minn.*	Z. Ψ. House
Henry Twitchell Hall	*East Orange, N. J.*	15 B. H.

John Daniel Hass	*West Stockbridge*	32 M. H.
Clifford Hemphill	*New York City*	St. Anthony H.
Chester Dodd Heywood	*Worcester*	Z. Ψ. House
Alexander Campbell Hooker	*Evanston, Ill.*	Θ. Δ. X. House
Leon Remy Hourdequin	*Brooklyn, N. Y.*	7 M. H.
Ralph Edwin Howes	*Williamstown*	30 M. H.
Wolcott Hubbell	*Ellensburg, Wash.*	Δ. K. E. House
Frank Jay Jerome	*Painesville, O.*	26 M. H.
Redford Kohlsaat Johnson	*New York City*	24 M. H.
Guilford Jones	*Colorado Springs, Col.*	X. Ψ. Lodge
William Van Antwerp Kemp	*New York City*	20 M. H.
Stephen Girard Kent	*Summit, N. J.*	29 M. H.
Earle Piggott Kimball	*New York City*	A. Δ. Φ. House
Harold Hunter Kissam	*Bay Shore, N. Y.*	Σ. Φ. Place
Herbert Clement Klipstein	*New York City*	26 J. H.
Sterling Power Lamprecht	*Cleveland, O.*	25 J. H.
George Orr Latimer	*Portland, Ore.*	33 M. H.
Archie Howe Leland	*Buffalo, N. Y.*	10 F. H.
James Dowd Lester	*Saratoga Springs, N. Y.*	39 M. H.
Frederick Harrington Loomis	*Jefferson, O.*	28 M. H.
John Putnam Loomis	*Englewood, N. J.*	St. Anthony H.
George Taylor Lynn	*Rochester, N. Y.*	Δ. Υ. House
Maurice Gibson Lynn	*Rochester, N. Y.*	Δ. Υ. House
Edward Carlton McLellan	*Newton Centre*	Θ. Δ. X. House
Forrest Frew Macnee	*New York City*	Φ. Δ. Θ. House
Maurice Kirkley Mark	*Springfield, O.*	29 M. H.
Gregory Mason	*New York City*	A. Z. A. House
Abbot Paige Mills	*Pittsfield*	A. Z. A. House
Charles Harold Mott	*Brooklyn, N. Y.*	10 W. C.
Floyd Irwin Newton	*Williamstown*	Φ. Σ. K. House
Ralph Lawrence Oakley	*New York City*	K. A. Lodge
LeRoy Parker Ogden	*Pittsfield*	9 E. C.
Marvin Olcott, Jr.	*Corning, N. Y.*	Σ. Φ. Place
Julian Park	*Buffalo, N. Y.*	St. Anthony H.
Fletcher Douglas Parker	*Minneapolis, Minn.*	38 M. H.
John Virgil Parker	*Medina, N. Y.*	2 F. H.
Herbert Charles Peter, Jr.	*Buffalo, N. Y.*	Θ. Δ. X. House
James Pomeroy Porter	*Fort Wayne, Ind.*	7 W. C.
Sidney Powers	*Troy, N. Y.*	17 B. H.
Edward Mailler Radway	*New York City*	K. A. Lodge
Arthur Lester Rae	*Holyoke*	7 F. H.
Lloyd Robinson	*Sea Cliff, N. Y.*	Z. Ψ. House
Walter Scott Rooney	*Ballston Spa., N. Y.*	A. Z. A. House

Charles Walter St. Denis	*North Adams*	3 E. C.
Walter Adams Shaw	*New York City*	Φ. Δ. Θ. House
Henry Percy Shearman	*Williamstown*	A. Z. A. House
Robert Deyo Sherman	*Nyack, N. Y.*	7 M. H.
Robert Ostrander Starrett	*New York City*	Φ. Δ. Θ. House
Stanley Weisel Stern	*New York City*	24 B. H.
Harold Tilson Stetson	*Auburn, Me.*	6 F. H.
Beatty Stevens	*Chicago, Ill.*	A. Δ. Φ. House
Bradford Stone	*Springfield*	X. Ψ. Lodge
Kenneth Montague Sturges	*Brooklyn, N. Y.*	30 M. H.
Clinton Combes Swan	*Brooklyn, N. Y.*	Z. Ψ. House
Lewis Taber Sweet	*Omaha, Neb.*	X. Ψ. Lodge
Robert Wendell Taylor	*Auburn, N. Y.*	Φ. Σ. K. House
Langdon Thorn Thaxter	*Portland, Me.*	34 M. H.
George Wilson Van Gorder	*Pittsburgh, Pa.*	38 M. H.
Hubbell Brainerd West	*Syracuse, N. Y.*	2 F. H.
Bryant Davis Wetherell	*Holyoke*	33 M. H.
Clifford Henry White	*Lenox*	15 F. H.
Ernest Howard Winter	*Orange, N. J.*	Δ. K. E. House
William Walton Woolsey	*Englewood, N. J.*	St. Anthony H.

Total..... 105

SOPHOMORES—CLASS OF 1912

Charles Albert Anderson	*West Orange, N. J.*	24 E. C.
Clifford Hogencamp Ayres	*Paterson, N. J.*	16 Cr. H.
Stanley Mason Babson	*South Orange, N. J.*	23 B. H.
Dudley Jerome Bachrach	*New York City*	6 C. H.
Samuel Prentiss Bailey	*Winona, Minn.*	26 M. H.
Lee Byron Baker	*Gardner*	22 E. C.
Edward Rice Bartlett	*Buffalo, N. Y.*	11 W. C.
Loyd Hayward Bartlett	*Auburn, N. Y.*	36 M. H.
Charles Julius Bauerle, Jr.	*Newark, N. J.*	14 E. C.
Gerald Hyde Beard	*Minneapolis, Minn.*	22 B. H.
Lyndon Smith Beardslee	*Hartford, Conn.*	19 E. C.
Brace Bennitt	*Springfield*	21 B. H.
Henry Webster Biggins	*Wallingford, Conn.*	Θ. Δ. X. House
Leslie Kenneth Bradley	*New York City*	15 Cr. H.
Simmons Brown	*Portland, Me.*	35 M. H.
Thomas Russell Brown	*Montclair, N. J.*	Δ. K. E. House
Morris Everett Bumpus	*Quincy*	26 B. H.
Miron Bunnell	*Duluth, Minn.*	Z. Ψ. House
Benjamin Brown Burton	*Waterford, N. Y.*	Σ. Φ. Place
Thomas Harrison Card	*North Adams*	14 E. C.
Rodliffe Bramhall Chace	*Fall River*	9 W. C.
Harvey Chalmers, 2nd	*Saranac Lake, N. Y.*	1 W. C.
Jay Wilbur Chapman, Jr.	*Winona Lake, Ind.*	3 W. C.
Frederick Littlefield Cobb	*Minneapolis, Minn.*	Φ. Σ. K. House
William Steele Brown Comstock	*Cleveland, O.*	37 M. H.
Frederic Conger	*Brooklyn, N. Y.*	9 W. C.
William Pickett Converse	*Albany, N. Y.*	Σ. Φ. Place
Charles Bennett Cook, Jr.	*Fall River*	31 M. H.
Clarence Mannington Cossum	*Poughkeepsie, N. Y.*	Thomas St.
Clyde Huxster Crawford	*East Orange, N. J.*	3 E. C.
Charles Waldemar Curtis	*Plattsburg, N. Y.*	Spring St.
Eugene Hoyne de Bronkart	*Chicago, Ill.*	11 W. C.
Thomas Worth Doan	*Ridley Park, Pa.*	9 M. H.
John Owen Stearns Edwards	*Elizabeth, N. J.*	1 B. H.
Manning Cromwell Field	*Brooklyn, N. Y.*	4 W. C.
Irving Duncan Fish	*Minneapolis, Minn.*	Σ. Φ. Place
Gilbert Wolfe Gabriel	*New York City*	20 B. H.
Ryerson Dudley Gates, Jr.	*Oak Park, Ill.*	2 W. C.
Lewis Foster Gifford	*Chicago, Ill.*	Δ. Υ. House
Richard Gildersleeve	*Gildersleeve, Conn.*	X. Ψ. Lodge
Donald Leal Greenleaf	*Plainfield, N. J.*	18 F. H.
Durand Appleton Hall	*Milwaukee, Wis.*	10 M. H.

Lyndon Baldwin Hardwick	*Quincy*	Σ. Φ. Place
Bradford Hathaway	*Newport, R. I.*	Walden St.
Charles Francis Hawkins	*Warwick, N. Y.*	10 Cr. H.
Charles Leslie Hedden	*Newark, N. J.*	12 M. H.
Howard Townsend Heister	*Troy, N. Y.*	60 Main St.
Charles Winthrop Hosley	*Warren*	60 Main St.
Walter Scott Jarvis	*Brooklyn, N. Y.*	28 J. H.
Henry Kaldenbaugh	*New Philadelphia, O.*	3 W. C.
Branton Holstein Kellogg	*Brookline*	20 F. H.
Arthur Myndert Kimberly	*Watervliet, N. Y.*	23 J. H.
James Ernest King	*Toledo, O.*	13 W. C.
Coit Ladd	*Rutherford, N. J.*	17 M. H.
Edward Augustus Lane	*Brooklyn, N. Y.*	24 E. C.
Alan Leggett	*Chatham, N. Y.*	21 E. C.
Albert Munger Lewis	*Oak Park, Ill.*	23 J. H.
Frederick Edward Linder	*New York City*	Spring St.
Harry Hunt Loomis	*Victor, N. Y.*	75 Main St.
William McCredie, Jr.	*Elgin, Ill.*	3 M. H.
Charles Kirk McFarlin	*East Orange, N. J.*	15 B. H.
John Aeneas Mackenzie	*Bath, Me.*	16 E. C.
Conrad Alexander Markwald	*Angus, Wis.*	Δ. Υ. House
Raymond Foster Marshall	*Newark, N. J.*	16 E. C.
Harry Perry Martin	*Owego, N. Y.*	29 B. H.
John Dusenbury Matz	*Chicago, Ill.*	21 F. H.
Harry Knowles Messenger	*Springfield*	29 J. H.
Sidney Morris Michael	*Buffalo, N. Y.*	Mrs. Roebuck's
Charles Millar	*Utica, N. Y.*	23 F. H.
Harry Anselm O'Brien	*North Adams*	North Adams
Paul Franklin Otis	*Scituate*	A. Z. A. House
Joseph Hendershot Park	*Port Murray, N. J.*	Cole Ave.
Ernest Boynton Patten	*Dorchester*	19 E. C.
Lawrence Wood Peirson	*Pittsfield*	12 M. H.
Edwin Oscar Perrin	*Cambridge*	Spring St.
Osgood Perry	*Fitchburg*	17 M. H.
Jesse Dudley Peterson	*Lockport, N. Y.*	9 W. C.
Sidney Leavitt Pressey	*Orange*	8 F. H.
Kenneth Talbot Price	*Chicago, Ill.*	24 M. H.
Max How Pulford	*Duluth, Minn.*	St. Anthony H.
John Welsh Rahill	*Lawrenceville, N. J.*	North St.
Frank Prentice Rand	*Worcester*	Φ. Σ. K. House
Albert Cleveland Reed	*Seattle, Wash.*	13 Hoxsey St.
Edwin Joseph Rogers	*Albany, N. Y.*	22 E. C.
Rush Hawkins Rogers	*Orange, N. J.*	34 M. H.

Robert Winthrop Seeley	*Williamstown*	College Place
Marshall Bingeman Shantz	*Rochester, N. Y.*	7 E. C.
Charles Howell Shons	*Washingtonville, N. Y.*	18 M. H.
Henry Lawrence Sickels	*East Aurora, N. Y.*	6 M. H.
George Franklin Simson	*Lockport, N. Y.*	4 F. H.
Kenneth Thomson Sloper	*New Britain, Conn.*	1 M. H.
Robert Kemble Smith	*Hartford, Conn.*	1 B. H.
Roger Vinton Snow	*Portland, Me.*	6 W. C.
Wynne Chard Stevens	*Williamstown*	Walden St.
Frank Livingood Surls	*Williamstown*	Glen St.
Leonard Swain	*Pomfret Centre, Conn.*	18 Cr. H.
Winthrop Chester Swain	*West Roxbury*	19 C. H.
Alpheus Peloubet Swallow	*Gardner*	18 E. C.
Emerson Howland Swift	*New York City*	36 M. H.
Theodore Kendall Thurston	*Portland, Me.*	35 M. H.
Frank Bosworth Tiebout	*Brooklyn, N. Y.*	16 M. H.
James Foster Townsend	*Greenwich, N. Y.*	9 F. H.
George Lee Trumbull	*Greenwich, N. Y.*	9 F. H.
William Muir Urquhart, Jr.	*Chehalis, Wash.*	9 Hoxsey St.
Leslie Marshall VanDeusen	*Hudson, N. Y.*	16 M. H.
Rob't Fred'k Curt von Witzleben	*New York City*	16 Cr. H.
Ernest Little Wakefield	*Sheffield*	21 E. C.
Kenneth Buchanan Wallace	*New York City*	A. Δ. Φ. House
Ronald Frank Webster	*Evanston, Ill.*	9 Cr. H.
Laurence Charles Wellington	*Amherst*	10 Cr. H.
Percival Wilcox Whittlesey	*Middletown, Conn.*	10 Hoxsey St.
Francis Cogswell Wickes	*Rochester, N. Y.*	27 J. H.
Clarence Stuart Alex. Williams	*Utica, N. Y.*	23 F. H.
William Hutcheson Windom	*Washington, D. C.*	St. Anthony H.
Thomas Welling Wisner	*Warwick, N. Y.*	K. A. Lodge
William Courtney Wright	*Brooklyn, N. Y.*	9 M. H.

Total..... 116

FRESHMEN—CLASS OF 1913

Newman Barnes Abercrombie	*Windsor*	17 E. C.
Walter Byron Adams	*Geneseo, N. Y.*	6 E. C.
Berrien Palmer Anderson	*San Rafael, Cal.*	12 Hoxsey St.
Robert Powers Anderson	*Springfield*	9 E. C.
Curtis Waldemar Appleby	*Minneapolis, Minn.*	14 F. H.
Irwin Elkus Auerbach	*New York City*	12 Hoxsey St.
Henry Raymond Bacon	*Pittsfield*	14 Hoxsey St.
Edward Bradley Ballinger	*Seattle, Wash.*	10 M. H.
Henry Ward Banks	*Englewood, N. J.*	3 Cr. H.
Beach Barrett	*Bloomfield, N. J.*	14 Hoxsey St.
Alfred Clarke Bedford	*Brooklyn, N. Y.*	15 W. C.
Samuel Sholes Berger	*Milwaukee, Wis.*	19 Spring St.
Ronald Fletcher Bogle	*Wappingers Falls, N. Y.*	3 B. H.
Donald Flagg Bowen	*Providence, R. I.*	4 B. H.
John A. Bower	*Poughkeepsie, N. Y.*	16 C. H.
William Boynton	*St. Johnsbury, Vt.*	62 Main St.
Leslie Richards Brown	*Ann Arbor, Mich.*	13 Cr. H.
Malcolm Lesley Bush-Brown	*Newburgh, N. Y.*	10 Hoxsey St.
James Philip Cahen, Jr.	*New York City*	4 E. C.
John David Campbell	*Chicago, Ill.*	20 E. C.
James Francis Carroll	*Troy, N. Y.*	7 C. H.
Champlin Clarke	*Catskill, N. Y.*	28 M. H.
William Brown Clarkson	*Brooklyn, N. Y.*	7 E. C.
Holland Coffin	*Northboro'*	11 Southworth St.
Robert Mason Converse	*Albany, N. Y.*	1 Cr. H.
Howard Holden Cooke	*Brooklyn, N. Y.*	22 F. H.
Horace Ranney Corner	*Cleveland, O.*	8 M. H.
Robert Crane	*Pelham Manor, N. Y.*	14 Hoxsey St.
Burton Sargeant Dake	*Cleveland, O.*	12 C. H.
Arthur James Daly	*New York City*	12 F. H.
Henry Trumbull Dana	*Philadelphia, Pa.*	Spring St.
John Joseph Danaher	*Williamstown*	Meacham St.
Ewart Gladstone Davies	*Easton, Pa.*	Z. Ψ. House
George Allen Davis, Jr.	*Lancaster, N. Y.*	13 M. H.
Henry Dearborn	*Rye. N. Y.*	15 Cr. H.
Guy Eugene de Lagerberg	*Passaic, N. J.*	13 Southworth St.
John Clarke Dewey, Jr.	*Worcester*	3 Cr. H.
Ashley Weed Dickinson	*Duluth, Minn.*	27 B. H.
George Richard Dickinson	*Springfield*	Main St.
Henry Raymond Dickinson	*Springfield*	Main St.
Arthur Mason Du Bois	*New York City*	13 F. H.
Robert Allan Dyer, 3rd	*Auburn, N. Y.*	17 C. H.

Harold Ross Ashburner Evans	*Jamaica Plain*	Φ. Δ. Θ. House
Beverley Montagu Eyre	*Stapleton, N. Y.*	10 Hoxsey St.
Harold Van Vechten Fay	*Auburn, N. Y.*	15 Cr. H.
Herbert Edward Field	*Providence, R. I.*	11 Hoxsey St.
William Hinrichs Field	*Brooklyn, N. Y.*	13 Hoxsey St.
Richard Starbuck Fielding	*Glens Falls, N. Y.*	1 W. C.
Frank Fiske	*Chepachet, R. I.*	Manix
Talbot Flanders	*Brookline*	9 Hoxsey St.
Alfred Louis Flesh	*Piqua, O.*	10 E. C.
John Eliot Fowler	*Bridgeport, Conn.*	19 F. H.
Edward Livingston Freeman	*Central Falls, R. I.*	12 Cr. H.
Henry Helm French	*Chicago, Ill.*	20 E. C.
Ottmar Widekind Rudolf Frey	*Newark, N. J.*	10 C. H.
Walter Cleveland Fried	*New York City*	28 B. H.
Roger Williams Gates	*Hartford, Conn.*	19 Spring St.
John Beebe Gibson	*Waterloo, N. Y.*	10 E. C.
Benedict Gifford	*Hudson, N. Y.*	16 W. C.
Huntington Gilchrist	*Auburn, N. Y.*	13 Hoxsey St.
Fletcher Ladd Gill	*West Newton*	7 C. H.
John Calvin Goddard, Jr.	*Salisbury, Conn.*	18 F. H.
George Selbie Gordon	*Williamstown*	Southworth St.
James Thomas Greene	*Woonsocket, R. I.*	1 F. H.
George Perceval Gregory	*Roxbury*	Θ. Δ. X. House
Julian Delamatu Hamlin	*Chicago, Ill.*	37 M. H.
Charles Randall Hart	*Buffalo, N. Y.*	A. C. H.
Stockton Harter	*Canton, O.*	3 F. H.
Walter Crane Hathaway	*Brooklyn, N. Y.*	15 C. H.
Frederick Armitage Hewat	*North Adams*	5 F. H.
Frederick Clowes Hewlett	*Merrick, N. Y.*	17 Cr. H.
Phillip Butler Heywood	*Worcester*	4 M. H.
Richard Junius Hill, Jr.	*Minneapolis, Minn.*	5 B. H.
Daniel Francis Hoar	*Troy, N. Y.*	16 Cole Ave.
Guy Groustine Hopper	*Williamstown*	Cole Ave.
Henry Greene Hotchkiss	*New York City*	5 B. H.
John Tasker Howard, Jr.	*Glen Ridge, N. J.*	17 Cr. H.
John Taylor Howell, Jr.	*Newburgh, N. Y.*	10 Hoxsey St.
John Platt Hubbell	*Garden City, N. Y.*	12 F. H.
Frederick Lewis Hurlbutt	*Buffalo, N. Y.*	Mrs. Roebuck's
Phelps Ingersoll	*St. Paul, Minn.*	5 C. H.
Lewis Crary Jamieson	*Warren, Pa.*	2 M. H.
Thomas Marvin Johnson, Jr.	*Buffalo, N. Y.*	16 F. H.
Chester Morse Jones	*Newton Centre*	30 B. H.
Rochester Burnett Jones	*New York City*	5 W. C.

Willis Webster Judd	*Chicago, Ill.*	14 Cr. H.
Charles Brokaw Jutte	*Washington, D. C.*	10 Park St.
Edmund Albro Kellogg	*New York City*	2 B. H.
Roland Kilbon	*Springfield*	4 E. C.
Arthur Kitching	*New York City*	Spring St.
August Klipstein, Jr.	*New York City*	10 W. C.
Warren Post Kortright	*Brooklyn, N. Y.*	16 F. H.
George Campbell Krenning	*Fort Recovery, O.*	North St.
Josiah Lasell	*Whitinsville*	14 W. C.
Loran Lodowick Lewis, 3rd	*Buffalo, N. Y.*	14 W. C.
Richard Vaughan Lewis, Jr.	*Irvington, N. Y.*	75 Main St.
Horace Miller Lothman	*Cincinnati, O.*	5 E. C.
Ceylon Arthur Lyman	*Minneapolis, Minn.*	6 Cr. H.
Clyde Cantey McDuffie	*Washington, D. C.*	Meacham St.
Benjamin Thayer McGill	*Englewood, N. J.*	13 Cr. H.
William Thomson McKay	*Fort Wayne, Ind.*	X. Ψ. Lodge
Roderick McLeod	*Newport, R. I.*	Walden St.
George Gehring Marshall	*Cleveland, O.*	10 Park St.
John Archibald Marshall	*Beaver Dam, Wis.*	2 E. C.
Winthrop Martin	*New York City*	27 J. H.
John Miguel Martinez	*New York City*	13 Hoxsey St.
Walter Sands Marvin	*Brooklyn, N. Y.*	13 Hoxsey St.
William Pitt Mason, Jr.	*Troy, N. Y.*	3 Hoxsey St.
Thomas Ray Mather	*Benton, Pa.*	15 E. C.
Mortimer Higley Matschke	*Minneapolis, Minn.*	14 F. H.
Frederic Wochler Mears	*Williamstown*	Hoxsey St.
John Harbeck Meeker	*East Orange, N. J.*	Spring St.
Frederic Arnold Merrill	*Dorchester*	11 M. H.
Lewis Cuddeback Merritt	*Goshen, N. Y.*	20 C. H.
Edgar Nash Miller	*Albany, N. Y.*	3 F. H.
John Richardson Miller	*Leominster*	18 E. C.
Walter Boynton Moore	*Columbus, O.*	4 C. H.
Charles Nelson Mortenson	*Oak Park, Ill.*	6 B. H.
Kenneth Dean Myers	*Bayonne, N. J.*	11 M. H.
Francis Stetson Mygatt	*New York City*	19 Cr. H.
David Copeland Naramore	*Rochester, N. Y.*	10 Hoxsey St.
Henry Siller Narten	*Cleveland, O.*	2 Cr. H.
Edgar Joshua Nathan, Jr.	*New York City*	8 C. H.
Robert Elkan Naumburg	*New York City*	1 C. H.
Alexander Hill Neagle	*Elmira, N. Y.*	3 M. H.
John Kewley Henshaw Nightingale, Jr.	*Providence, R. I.*	18 Cr. H.
Thomas Raymond Nusbickel	*Lyons, N. Y.*	Cole Ave.

Norris Schermerhorn Oliver	*East Orange, N. J.*	25 M. H.
Kenneth Hunter Owens	*Plainfield, Ill.*	10 Park St.
Randolph Greene Pack	*Cleveland, O.*	Hoxsey St.
Jerome Foote Page	*Batavia, N. Y.*	3 Hoxsey St.
Carle Lawyer Parsons	*Binghamton, N. Y.*	6 Cr. H.
Warner Arms Peck	*Youngstown, O.*	14 Hoxsey St.
Charles Swayne Phillips	*Montclair, N. J.*	11 Cr. H.
Dwight Copley Pitcher	*Utica, N. Y.*	4 B. H.
Edward Merriam Powell	*Grand Rapids, Mich.*	7 Cr. H.
George Center Power, Jr.	*St. Paul, Minn.*	9 Cr. H.
Schuyler Pratt	*Tacoma, Wash.*	8 Cr. H.
John Guy Prindle	*Williamstown*	Southworth St.
Edwin Pyle	*Jersey City, N. J.*	9 Hoxsey St.
Gerald Derald Rahill	*Lawrenceville, N. J.*	North St.
Wallace Rand, Jr.	*Brookline*	11 Southworth St.
William Thompson Rice	*Pittsfield*	15 W. C.
John Harold Robinson	*Kansas City, Mo.*	5 W. C.
Charles Howe Rogers	*Crystal Lake, Ill.*	2 W. C.
Laurence Rothfeld	*New York City*	Room B. C. H.
William John Runyan	*Warren*	60 Main St.
John Henry Savage, Jr.	*Prairie du Chien, Wis.*	Z. Ψ. House
Allen Manvel Schauffler	*Highland Park, Ill.*	12 E. C.
Thomas Julius Shack	*New York City*	12 Hoxsey St.
Lewis Edward Shaw	*Allston*	11 C. H.
Winthrop Lawrence Sheedy	*Groton*	Spring St.
George Marsden Shipton	*Pittsfield*	8 E. C.
Livingston Lyman Short	*New York City*	10 Hoxsey St.
George Harrington Sickels	*Buffalo, N. Y.*	6 M. H.
John Lazear Sly	*Warwick, N. Y.*	2 B. H.
Irving Frederick Smith	*Watertown, Conn.*	13 C. H.
Merritt Haviland Smith, Jr.	*White Plains, N. Y.*	11 Hoxsey St.
Clark Arndt Snell	*Canajoharie, N. Y.*	3 Hoxsey St.
James Emory Squiers	*Evanston, Ill.*	2 M. H.
James Darrow Standish, Jr.	*Detroit, Mich.*	8 Hoxsey St.
Charles Haight Steel	*Auburn, N. Y.*	K. A. Lodge
Emil Robert Stein, Jr.	*North Adams*	North Adams
Edwin Willard Stephens	*Salt Lake City, Utah*	Main St.
John Newell Stone	*Springfield*	10 Hoxsey St.
Joseph Kiddoo Surls	*Williamstown*	5 Glen Road
David Lee Sutherland	*Minneapolis, Minn.*	31 M. H
Arthur Lessner Swift, Jr.	*New York City*	9 C. H.
Henry Favill Tenney	*Winnetka, Ill.*	13 W. C.
Edward Decker Thomas	*Chatham, N. Y.*	17 E. C.

Isaac Preston Thomas	*Upper Montclair, N. J.*	4 M. H.
Charles Stanley Thompson	*Minneapolis, Minn.*	25 M. H.
George Keys Thompson	*Glendale, O.*	K. A. Lodge
Oscar Stanley Thompson, Jr.	*Orange, N. J.*	8 E. C.
Oliver Wolcott Toll	*Denver, Colo.*	2 C. H.
George Wheeler Trevor	*Buffalo, N. Y.*	12 Hoxsey St.
William Mandeville Troy	*Olean, N. Y.*	9 Hoxsey St.
Edwin Thomas Turner	*Douglas, Wyo.*	1 Cr. H.
Charles Bach Utley	*Buffalo, N. Y.*	7 Cr. H.
John Valiant	*Plainfield, N. J.*	21 F. H.
Wilton Shelley Viall	*Bennington, Vt.*	Water St.
Frederick Albert Vietor	*New York City*	19 Cr. H.
Francis Warnock Wagner	*Cleveland, O.*	Spring St.
James Monroe Walker	*Chicago, Ill.*	13 F. H.
Augustus Cuddeback Wallace	*Goshen, N. Y.*	62 Main St.
Stirling Davies Ward	*East Orange, N. J.*	3 C. H.
Edward Richmond Ware	*New York City*	13 Hoxsey St.
William Luke Wessels	*Amsterdam, N. Y.*	Φ. Σ. K. House
Alan Griffith Whittemore	*Hoosick, N. Y.*	20 F. H.
Edward Higginson Williams, 3rd	*Andover*	18 C. H.
Harold Francis Winter	*Orange, N. J.*	Δ. K. E. House
Lawrence Baker Woodard	*Minneapolis, Minn.*	12 Cr. H.
Harold Frederic Wooster	*Albany, N. Y.*	10 Hoxsey St.
Reginald Stuart Worthington	*Shawnee, Pa.*	Spring St.
Walter Halsey Young	*New Rochelle, N. Y.*	14 Cr. H.

Total..... 195

PARTIAL COURSE

FRESHMAN—CLASS OF 1913

Frank Prouty Abbott	*Goshen, Ind.*	12 Hoxsey St.
Harry Forester Armstrong	*Piqua, O.*	1 F. H.
Arthur Bevan Belden	*Syracuse, N. Y.*	19 F. H.
Francis Presten Blair	*Washington, D. C.*	75 Main St.
Richard Lea Bronson	*Tacoma, Wash.*	8 Cr. H.
Joseph William Brooks	*New York City*	Spring St.
Joseph Windell Crothers, Jr.	*Cincinnati, O.*	5 E. C.
Robert Chauncey Dexter	*St. Johns, Mich.*	9 Hoxsey St.
Norman Duffield	*Troy, N. Y.*	Southworth St.
Howard Ernest Duryea	*Riverhead, N. Y.*	15 E. C.
Daniel Carter Gittings	*Baltimore, Md.*	9 Southworth St.
James L. P. Goodson	*Jacksonville, Texas*	Spring St.
Olyn Daffan Hemming	*Colorado Springs, Colo.*	4 W. C.
Frank Sampson Kelley	*Chatham, N. J.*	Spring St.
Donald Malcolm Kelly	*Sandusky, O.*	23 E. C.
Lemuel Lester Long	*Toulon, Ill.*	6 E. C.
Comerford McLoughlin	*Rye, N. Y.*	11 Hoxsey St.
Oscar Bishop Phillips	*Medina, O.*	East Main St.
Charles Schlager	*Binghamton, N. Y.*	3 Hoxsey St.
George Pratt Smith	*Evanston, Ill.*	9 Hoxsey St.
Roger McElhone Smith	*Rhinebeck, N. Y.*	Spring St.
Calvin Pitts Vary	*Newark, N. Y.*	11 Cr. H.
Paul Stuart Winslow	*River Forest, Ill.*	6 B. H.

Total..... 23

SUMMARY BY CLASSES

Graduate Students: Resident	8
Seniors	90
Juniors	105
Sophomores	116
Freshmen	195
Partial Course	23
Total	537

SUMMARY BY STATES

New York	202
Massachusetts	110
New Jersey	42
Illinois	37
Ohio	26
Minnesota	21
Connecticut	20
Pennsylvania	10
Rhode Island	10
Wisconsin	8
Maine	7
Washington	6
Indiana	5
Vermont	5
Colorado	4
District of Columbia	4
Michigan	4
California	3
Missouri	2
Oregon	2
Maryland	1
Nebraska	1
New Hampshire	1

North Carolina	1
Texas	1
Utah	1
Wyoming	1
Persia	1
Turkey	1
Total	537

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